For **LCC** system

# Video door phone system

## USER MANUAL

**For the model with 100 pictures stored**

*Luxurious in appearance*

*Unparalleled in technology*

CE FC RoHS

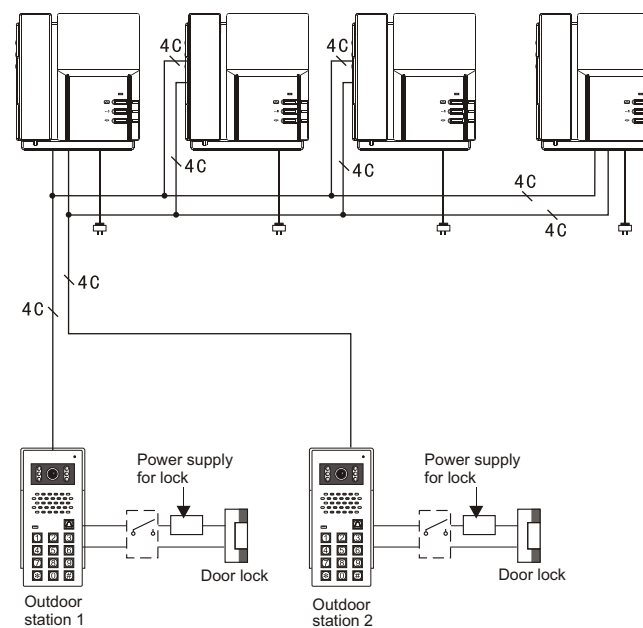## Exit the setting mode

In the setting mode, press ⊞ , choose Exit, press ⬆ or ⬇ to exit. Or in the setting mode, press 👆 to exit directly. Or it will automatically exit without any operation in 10 seconds.
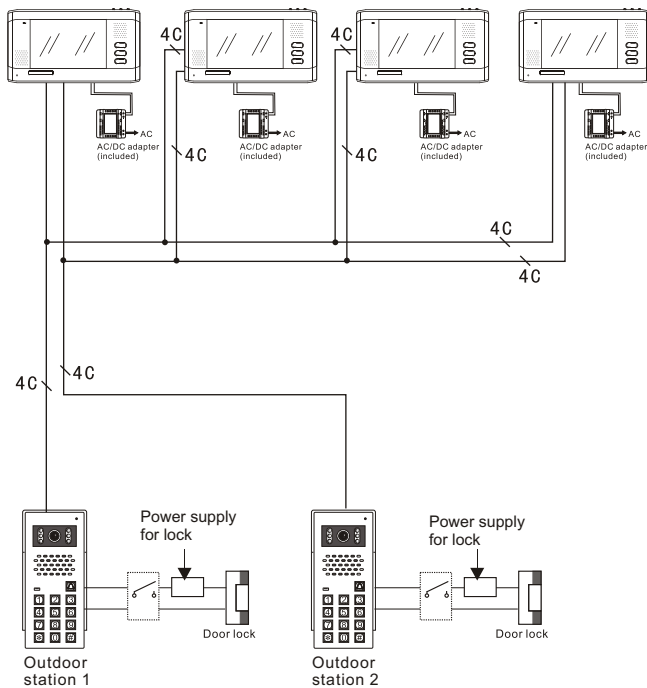
▶ **LCC SYSTEM WITH TWO ENTRANCES**
**Indoor monitor built-in power supply**

## LCC SYSTEM CONFIGURATION DIAGRAM

▶ **LCC SYSTEM WITH TWO ENTRANCES**
  **Indoor monitor external power supply**



AC/DC adapter (included)
AC/DC adapter (included)
AC/DC adapter (included)
AC/DC adapter (included)

Power supply for lock

Power supply for lock

Door lock

Door lock

Outdoor station 1

Outdoor station 2

## Chroma adjustment

In the standby mode, press 🔲 as Picture 1. Then press 🔲 to choose Chroma. Press ⬆ or ⬇ to adjust the Chroma. Range of colour: 0-100. After the setting, press 👆 to exit.

## Language setting

In the standby mode, press 🔲 as Picture 1. Then press 🔲 to choose Language. Press ⬆ or ⬇ to adjust the language. After the setting, press 👆 to exit.

## Date setting

In the standby mode, press 🔲 as picture 1. Then press 🔲 to choose Date ( Date displays: year-month-date). Press ⬆ or ⬇ to adjust the year. After year is adjusted, press 🔲 to switch to month. After month is adjusted, press 🔲 to switch to date. After the setting, press 👆 to exit.

## Time setting

In the standby mode, press 🔲 as picture 1. Then press 🔲 to choose Time (Time displays: hour : minute : second). Press ⬆ or ⬇ to adjust the hour. After hour is adjusted, press 🔲 to switch to minute. Press ⬆ or ⬇ to adjust the minute. After minute is adjusted, press 🔲 to switch to second. Press ⬆ or ⬇ to adjust the second. After the setting, press 👆 to exit.

## Delete picture

In the standby mode, press ⊞ as Picture 1. Press ⊞ to choose. Choose delete all as Picture 2. Press ⬆ or ⬇ to delete all stored pictures.

| | | | |
|---|---|---|---|
| ✳ | Brightness | ▭ | 050 |
| ◑ | Contrast | ▭ | 050 |
| 🐾 | Chroma | ▭ | 050 |
| 👤 | Language | <English> | |
| 📓 | Date | 2012-01-01 | |
| 🕐 | Time | 12:30:30 | |
| 🗑 | Delete All | | |
| ↪ | Exit | | |

Picture 1

| | | | |
|---|---|---|---|
| ✳ | Brightness | ▭ | 050 |
| ◑ | Contrast | ▭ | 050 |
| 🐾 | Chroma | ▭ | 050 |
| 👤 | Language | <English> | |
| 📓 | Date | 2012-01-01 | |
| 🕐 | Time | 12:30:30 | |
| 🗑 | Delete All | | |
| ↪ | Exit | | |
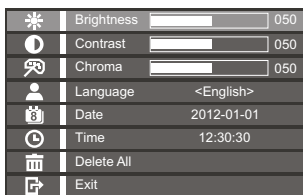
Picture 2

## Brightness adjustment

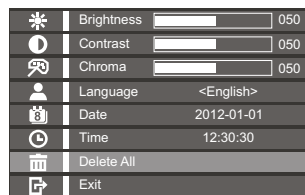In the standby mode, press ⊞ as Picture 1. Then press ⬆ or ⬇ to adjust the brightness. Range of brightness: 0-100. After the setting, press 👍 to exit.

## Contrast adjustment

In the standby mode, press ⊞ as Picture 1. Then press ⊞ to choose Contrast, press ⬆ or ⬇ to adjust the contrast. Range of contrast: 0-100. After the setting, press 👍 to exit.

## Specification

| Power | DC 14.5V |
|---|---|
| Illumination(minimum) | 0.05 LUX |
| Communication duration | 120s |
| Communication method | Duplex communication |
| Working temperature | -20℃～+55℃ |
| IP rating | 55 |

| No. | Icon | Description | No. | Icon | Description |
|---|---|---|---|---|---|
| ① | 📷 | Monitor | ⑤ | 🔔 | Ringing volume |
| ② | 🔑 | Door unlocked | ⑥ | ⦿ | Calling |
| ③ | 🗣 | Talking | ⑦ | ☎ | Hang off |
| ④ | 🔊 | Talking volume | | | |

### CAUTION：

1. When the outdoor station can only call one apartment, and the apartment connects with more than one indoor monitor, please connect the J2 of the indoor monitor, which is furthest from the outdoor station. And pull out the J2 on the other indoor monitors.
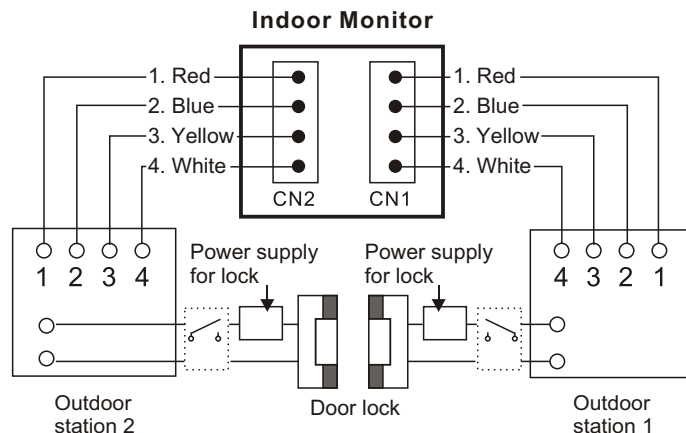2. When the outdoor station can only call one apartment, and the apartment connects with more than one indoor monitor, please connect the J1 and J3 of the indoor monitor, which is the closest from the outdoor station. And pull out the J1 and J3 on the other indoor monitors.
3. When the outdoor station can call more than two apartments (including two), please disconnect J3 of all the indoor monitors.

# SYSTEM  DIAGRAM

### ▶ Wiring connection

| 1. Red | 2. Blue | 3. Yellow | 4. White |
|--------|---------|-----------|----------|
| 1-Audio | 2-GND | 3-V+ | 4-Video |

**Indoor Monitor**

1. Red
2. Blue
3. Yellow
4. White

CN2    CN1

1. Red
2. Blue
3. Yellow
4. White

1  2  3  4

Power supply for lock

Power supply for lock

4  3  2  1

Outdoor station 2

Door lock

Outdoor station 1

**INSTRUCTION:**

1. Cables of LCC system:
   ① Untwisted cable.
   ② Wire≥0.2mm², from outdoor station to the farthest monitor distance≤28m.
     Wire≥0.3mm², from outdoor station to the farthest monitor distance≤50m.
     Wire≥0.5mm², from outdoor station to the farthest monitor distance≤70m.
2. Maximum 4 indoor monitors and 2 outdoor stations for parallel connection.
3. Handset indoor monitor with two function buttons and hands-free indoor monitor with three function buttons do not contain  transferring or intercom functions.
4. Every indoor monitor needs power:  14.5V, 1.3A (except build-in power supply).
5. The distance between power supply to indoor monitor:
   Wire≥0.5mm², the distance(black and white indoor monitor)≤8m.
   Wire≥0.5mm², the distance(colour indoor monitor)≤10m.

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## Picture memory function

For the model with 100 pictures stored

## Auto capture

When the outdoor station calls the indoor monitor, one picture will be captured in the 3rd second. It only captures one picture automatically (Do not support automatic continuity capture).

### ☺ NOTICE

Maximum storage: 100 pictures.  After the number reaches 100, the oldest picture will be deleted automatically as long as a new picture is captured.

If there are new pictures without read, picture indicator is on. After the pictures are read, the  picture  indicator will be off.

## Check picture

Press  ⬆  and  ⬇  directly to enter the picture review window. Then press  ⬆  and  ⬇  to choose the pictures up and down. Press  ☝  to exit. The indoor monitor will automatically return to the standby state in 10 seconds.
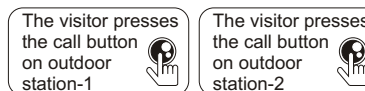
**In the setting mode:**

Press * 5 (Yellow light blinks), and then enter security level number twice(Parameter range is 1, 2, 3, 4, 5. The higher number indicates the higher accuracy of fingerprint recognition). If Bi- is heard, it indicates the setting is successful. If Bi Bi Bi are heard, it indicates the setting fails.

Press # to exit the setting mode.

# OPERATION

▶ **Visitor calls**

| The visitor presses the call button on outdoor station-1 | The visitor presses the call button on outdoor station-2 |
|---|---|

Ring ▼                    ▼ Ring

The visitor image shown on the monitor

▼

Talk begins

▼

The talk time is up to 2 minutes

Check ▼

Open the lock

After pressing the unlocked button, the indoor monitor still displays the image from the front door camera.
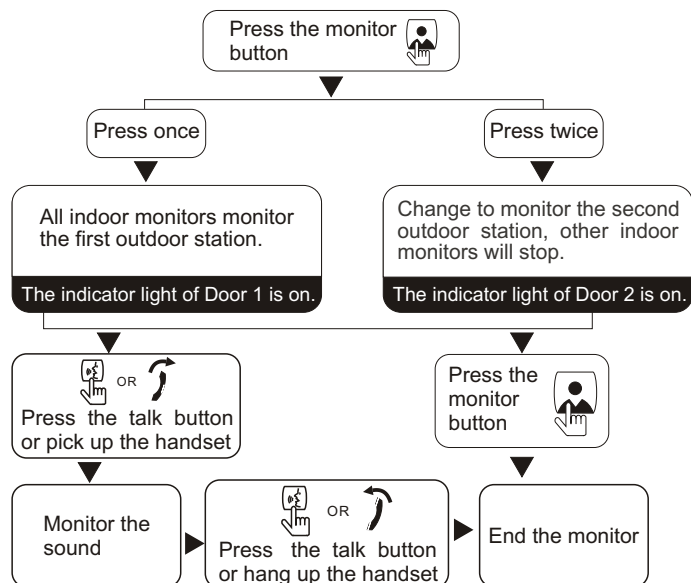
▼

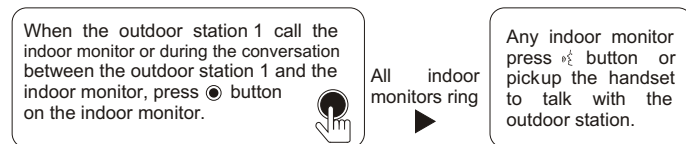Press the TALK button or hang-up the handset  ▶  End the call

✻ Press call button at anytime, the indoor monitor will show the view from the front door camera automatically. Press talking button to have communication with the visitor by the front door.

## ▶ **Monitor**

Press the monitor button

Press once

Press twice

All indoor monitors monitor the first outdoor station.

The indicator light of Door 1 is on.

Change to monitor the second outdoor station, other indoor monitors will stop.

The indicator light of Door 2 is on.

OR

Press the talk button or pick up the handset

Press the monitor button

Monitor the sound

OR

Press the talk button or hang up the handset

End the monitor

## ▶ **Call transferring**(some models do not have such functions. )

When the outdoor station 1 call the indoor monitor or during the conversation between the outdoor station 1 and the indoor monitor, press ◉ button on the indoor monitor.

All indoor monitors ring ▶

Any indoor monitor press button or pickup the handset to talk with the outdoor station.

⚠ **Notice:** When the outdoor station 1 calls the indoor monitor and the call is transferred, the indoor monitor can not exit the system manually. It will exit the system automatically after 2 minutes.

------------ Add fingerprint ----------------

**In the setting mode:**
Press 000-899 (Yellow light blinks. If red light is on, it indicates the position is occupied. Press * twice to delete the information in this position and then add the fingerprint. If green light is on, it indicates the position is vacant. Fingerprint can be added. ) + put the finger on the scanner until a Bi sound is heard. Then another Bi and Bi- will be heard. It indicates the addition is successful. If BiBiBi are heard, it indicates the addition fails. If BiBiBiBi are heard, it indicates the fingerprint exists.

Press # to exit the setting mode.

**Notice: Maximum 900 fingerprints.**

------------ Delete the fingerprint -----------

**In the setting mode:**
Delete one fingerprint: press 000-899, then press * twice to delete the fingerprint in 000-899. If light turns green means the deletion is successful.

Delete all fingerprint: press * 8 (Yellow light blinks), and then enter 8 twice (A continuous Bi - will be heard). The deletion is successful.

Press # to exit the setting mode.

------------ Restore factory default -----------

**In the setting mode:**
Press * 8 (Yellow light blinks), and then enter 9 twice (A continuous Bi - will be heard). The factory default is restored.

Press # to exit the setting mode.

## ▬ **Operation of outdoor station with fingerprint** ▬

◆ Cooperate with remote control DH11R or DH12R.

-------------- Enter the setting mode --------------

Input the admin default code twice (1234+1234), the yellow LED will be on. It is in the setting mode.

The default code is: 1234

-------------- Modify administrator code --------------

**In the setting mode:**
Press  * 3 (Yellow light blinks), and then  enter  a  new  administrator code(XXXX)  twice.   If  Bi-  is  heard,  it  means  the  operation  is successful.

Press  # to exit  the setting mode.

**Notice:** In case forget the admin code, power on first, then press  # within 3 seconds. If Bi  is  heard,  it  means  admin  code  is restored as default setting successfully.
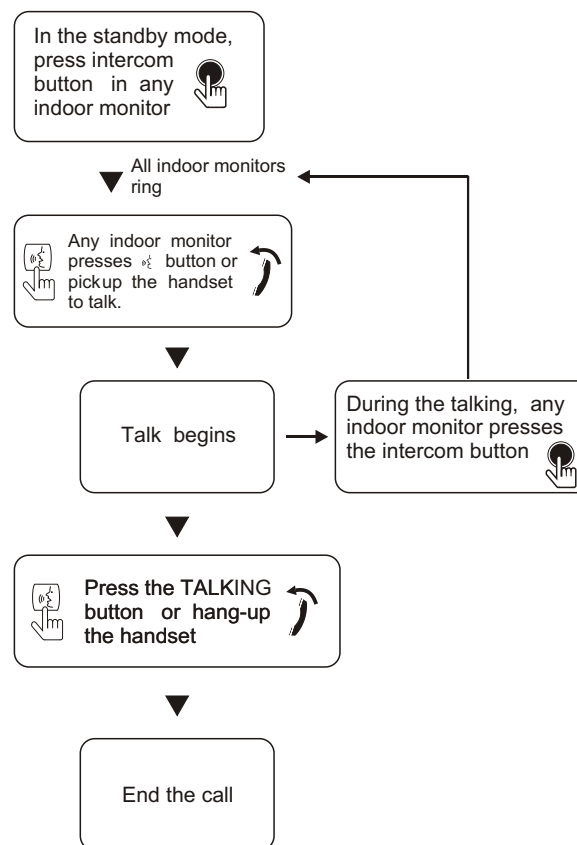
-------------- Set the unlocking time --------------
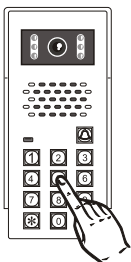
**In the setting mode:**
Press  * 1 (Yellow  light  blinks),  and  then  enter  2-digit  number from 01 to 99  (Bi- is heard, and yellow light stops blinking).  This 2-digit  number  is  the  unlocking  time.  For  example,  enter  05 means  the unlocking time is 5 seconds.

Press  # to exit  the setting mode.

## ▶ **Intercom (some models do not have this function)**

In the standby mode, press intercom button  in  any indoor monitor

▼ All indoor monitors ring

Any  indoor  monitor presses  ◦⟨  button or pickup  the  handset to talk.

▼

Talk  begins → During the talking,  any indoor monitor presses the intercom button

▼

Press the TALKING button   or  hang-up the handset

▼

End the call

## Specifications of 50/561/562 series code access



⚠ **ATTENTION**

1. The original factory defaulted programming password is 1234.
2. In the programming mode, set 40 groups of 4-digit passwords to unlock door.

### Set programming code

1. Switch off the power, press * and hold, switch on the power. After hearing a long sound, release *.
2. After the long sound stops, another sound is heard, now you can enter the new 4-digit programming password.
3. After entering the new password, a "DI" sound can be heard for 5 times.

### Enter to the programming mode

1. Press *, "DI" sound should be heard twice, and then enter 4-digit programming password, "DI" sound should be heard three times with LED light flashing. It indicates entering to the programming mode successfully.
2. Press * to exit the programming mode with "DI" sound in five times.

### Set unlocked time

Factory default setting is 5 seconds.
1. Enter to the programming mode first.
2. Enter code 00, and "DI" sound should be heard twice.
3. Enter the targeted unlocked time: 2 digits (01 - 99 seconds); 00 is not valid in this mode.
4. After "DI" sound is heard for three times, it will return to programming mode.
5. Press * to exit the programming mode.

### Delete all user cards

**In the setting mode:**
Press 9 with a Di sound heard. And then press 9, two short Di sounds can be heard. After it stops, it indicates the deletion of all user cards is successful.

Press * to return to standby mode. No operation in 30 seconds will return automatically.

### Set building number and machine number

**In the setting mode:**
Press 3, a Di sound is heard. Enter 6 digits (4-digits building No and 2-digits machine number), press # with a Di sound. It indicates the setting is successful.

Press * to return to standby mode. No operation in 30 seconds will return automatically.

### Set the unlocking time

**In the setting mode:**
Press 4, a Di sound is heard, then enter 2 digits number from 01 to 99 as unlocking time. If a Di sound and another DI sound are heard, it indicates the unlocking time setting is successful.

Press * to return to standby mode. No operation in 30 seconds will return automatically.

## Add user card

**In the setting mode:**
Press 1.  Di sound  indicates it  is  in  the  adding user card mode.

Enter the last 6-digits of a  new  card  number.  If Di sound is  heard,  it indicates the adding is successful.  Or swipe the new card  instead of adding the  card  numbers. If a Di  sound  and  another  Di  sound are heard, it indicates the adding is successful.

Continuous  batch  adding  new  user  cards  is  available. If  a  registered card is  added,  four Di Di Di Di  rejection  sounds  will  be heard. It indicates this card  has  been  registered.

Press * to return to setting mode. Then press *  to return to  standby  mode.  No operation in 30  seconds  will  return  automatically.

Use master card to add user card:
In the standby status, swipe master card once. A Di sound indicates it  is  in  the  adding  card  mode..
During the adding card mode, swipe each new card will  accomplish with a Di sound.  Another  Di  sound  to  confirm  that  the  setting  is successful.  Registered  card will be rejected.   After four Di sounds, swipe  master  card  again  to return to standby mode.

## Delete user card

**In the setting mode:**
Press 2 with a Di sound. It is in the delete card mode. Enter the last 6-digits of  the  deleted  card. If a Di sound  is heard, it indicates the deletion is  successful.  Or  swipe  the  deleted card, if a Di sound is heard,   and  another  Di  sound   indicates  deletion   is  successful. Continuous  batch deleting  user  cards is  available. If deleted card is deleted again,  the  access  control  will  sound  four  Di  rejection sounds. It indicates this card has been deleted.

Press * to return to setting mode, and press * again to  return to  the standby mode. No operation in 30 seconds will return automatically.

## Add user passwords

1. Enter to the programming mode first.
2. Enter  01 - 40 (31 - 40  can  not  set  unlocked  time  as  they are normal open/closed).
3. Enter  4-digit  password.  If  long  "DI"  sound  is  heard  twice,  it indicates  password  stored  fails,   and  this  password  exists somewhere else. If "DI" sound is heard for three times, it indicates password stored succeeds. Return to the programming mode.

## Delete user passwords

1. Enter to the programming mode first.
2. Enter 01 - 40.
3. Press # to delete the password stored in 01- 40.
4. After  "DI"  sound  is  heard  for  three times,   return  to  the programming mode.

## Delete user passwords directly

1. Enter to the programming mode first.
2. Press #. After "DI" sound is heard twice, then enter 4-digits password for deletion.
3. After "DI" sound is heard for three times, it indicates the password has been deleted and return to the programming mode.

## Delete all settings

1. Enter to the programming mode first.
2. Press #. After "DI" sound is heard twice, press # again. Anther "DI" sound is heard twice.
3. Then,  press # for  seven  times,  the  system  deletes  all  the setting.  The  unlocked  time  changes  to 1  second,  and  the programming password does not change.  After  hearing "DI" sound  for  five  times,   the  system  reset,   and  all  the  user passwords are deleted.

DH16B, DH11R and DH12R are access controls. They are used in the outdoor stations with with ID/IC card and fingerprint. They have wireless sensor for adding and deleting cards and fingerprint. The main parts are keypad DH16B and wireless sensor keypad DH11R/DH12R.
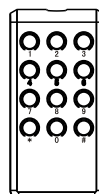
| DH16B technical parameters | |
|---|---|
| Temperature: -20℃-+55℃ | RH: ≤95% |
| Working current: ≤28mA | Application of card type: ID/IC card |
| Sensor time: ≤0.8S | Sensor distance: all around: ≤15cm |
| Capacity: ID card: 2000 PCS; IC card: 20000 PCS | |

DH16B          DH11R          DH12R

| DH11R sensor keypad technical parameters | |
|---|---|
| Silver zinc button batteries(2032): 3V | |
| Working current: ≤0.5mA | Sensor distance: all around: ≤20cm |
| Enter corresponded number to replace the relative ID/IC card | |

| DH12R sensor keypad technical parameters | |
|---|---|
| Use two No.7 LR03 AAA 1.5V alkaline batteries | |
| Working current: ≤0.5mA | Sensor distance: all around: ≤20cm |
| Enter corresponded number to replace the relative ID/IC card | |

## In the setting mode

Press * and #, enter XXXX(the administration password) and #. A Di sound indicates in the setting mode. Press * to return to standby mode. (No operation in 20 seconds will return automatically). The factory default password is 4567.

## Modify access control password

**In the setting mode:**
Press 8 with a Di sound, then enter new 4-digits password (XXXX) and #. After a Di sound, re-enter the new 4-digit password and #. If two Di sounds is heard, it means the modification is successful. If enter different passwords twice, continued Di... sound will be heard, the modification of password fails. Please modify again.

Press * to return to standby mode.

If forget password, turn on the power again and press # for 3 seconds. If Bi is heard, default password is restored.

## Set master card

**In the setting mode:**
Press 0, a Di sound heard, and press 7 to hear another Di sound. Then enter 6-digits master card number or swipe the master card. After a Di sound, the setting is completed.

Press * to return to setting mode, and press * again to return to standby mode.