

# GSM Door Phone System

## System Installation, Setting and Operation Manual



### **User Manual** (750AVR- V405C)

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Please read this user manual completely before operating this system and keep it in a safe place for future reference.

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Thank you for purchasing the **GSM Door Phone**. To ensure that you enjoy the full capacity of this product, please read this user manual before proceeding. Be sure to keep this manual for future reference in case any challenge or question should arise. We hope you enjoy your new GSM Door Phone.










## **IMPORTANT SAFETY INSTRUCTIONS**

When using your GSM Door Phone, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Please read the following before using your equipment.




1. Follow all warnings and instructions on the product.
2. Unplug the product before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
3. Do not use this product near water.
4. Do not allow anything to rest on power cords. Do not place this product in a location where the cords can be stepped on or where someone can trip over them.
5. Do not use this product near an area where there is a potential of gas leaks or near any fumes that can be explosive.
6. Do not place this equipment near or over a radiator or any other heat source.
7. Use **ONLY** the power adapter supplied with the system.
8. Do not overload the wall outlet or power cord where the power adapter is installed. This can result in fire or electric shock.
9. This equipment is to be opened **ONLY** by a qualified service technician. There are no user serviceable parts inside. Opening this equipment may expose you to dangerous voltage and other risks. Incorrect reassembly of this equipment may result in electric shock.
10. Avoid spilling liquid on this equipment and do not insert any objects through the ventilation slots.
11. Avoid using this equipment during an electrical storm. There is a remote risk of electrical shock from lighting.
12. Do not use this equipment other than for its purpose intended by the manufacture. Use **ONLY** the equipment provided by the manufacturer.

## UNPACKING YOUR SYSTEM

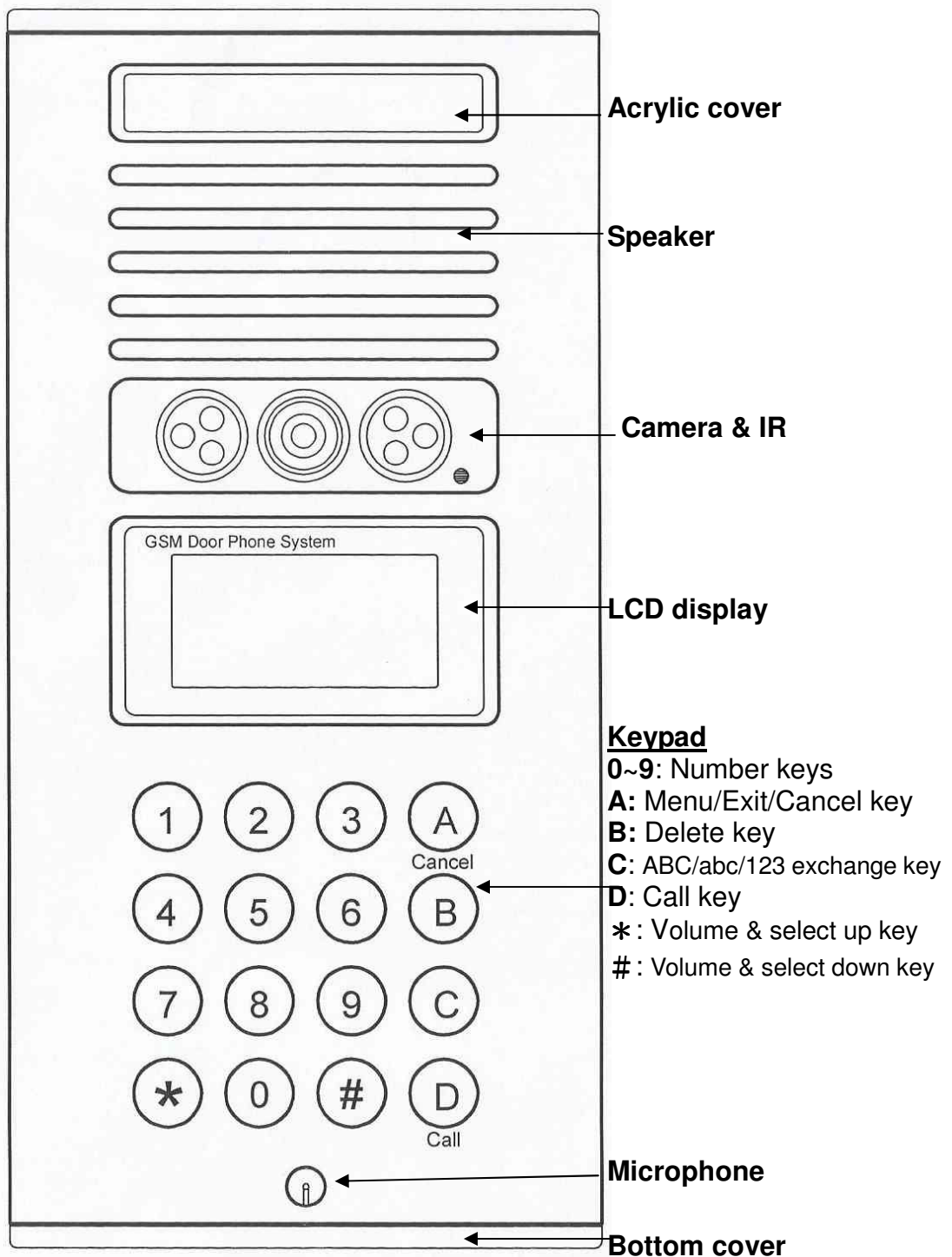
Your GSM Door Phone system will include the followings:

1 x Door phone unit	
1 x AC power adapter	
1 x GSM antenna	
1 x Wall mounting bracket	
1 x Wire	
4 x screws for mounting bracket	
2 x screws for door phone	
1 x Tool for SD card	
1 x User manual	

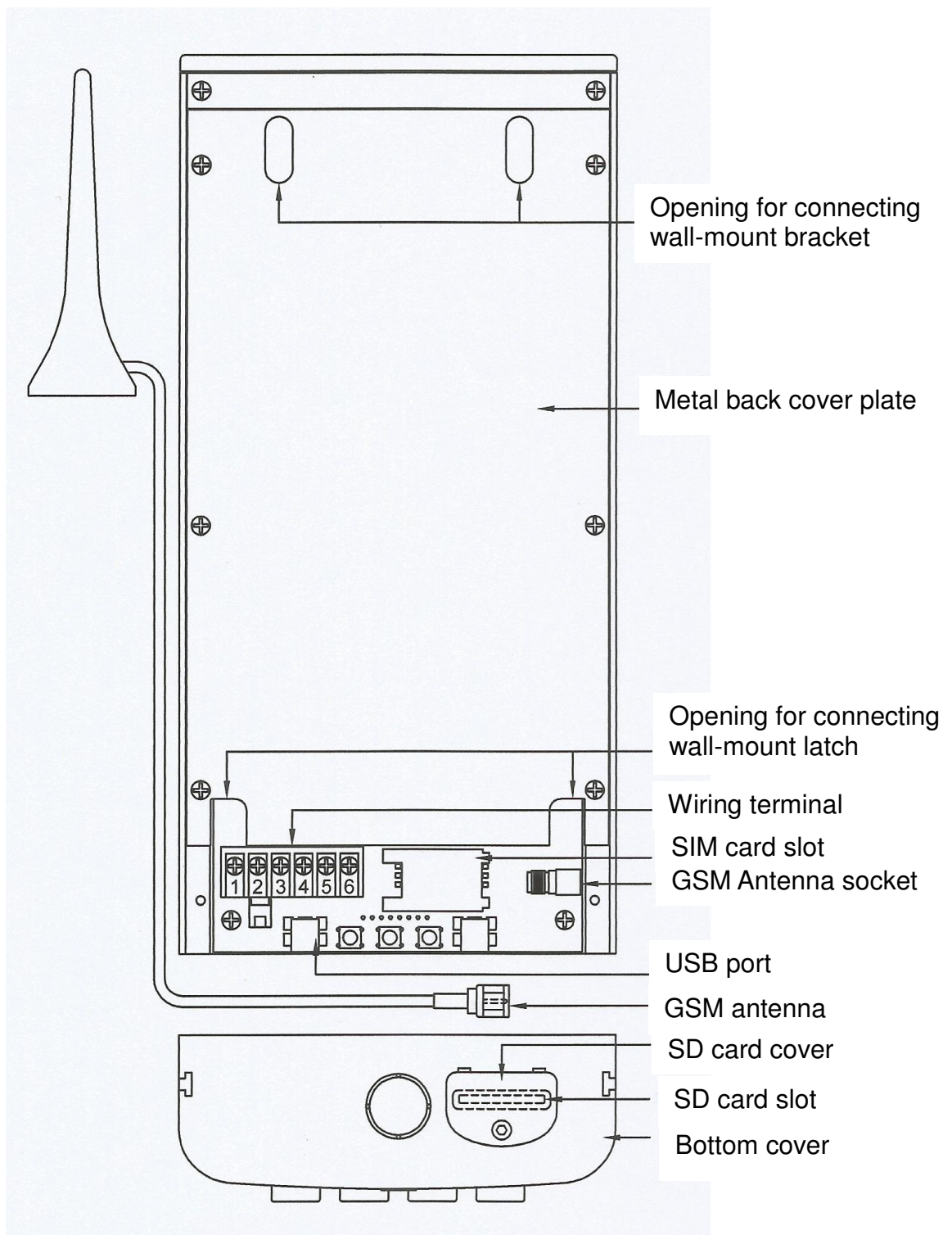
### Optional Accessories

◆ Rain hood	
◆ Back light keypad	
◆ Antenna bracket	

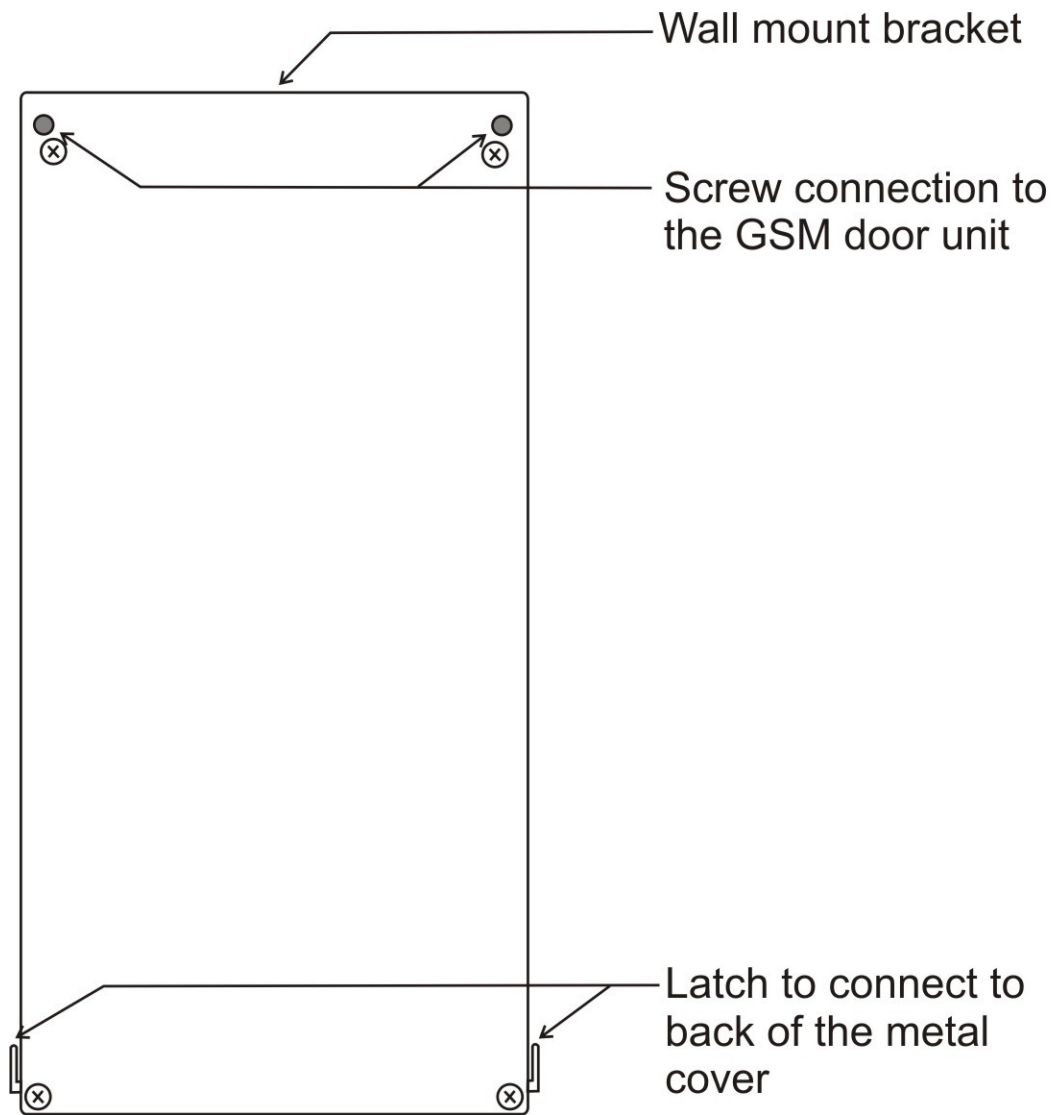
## System Diagram (Front View)



## System Diagram (Back View)



## System Diagram (Wall Mounting Bracket)



# INSTALLATION

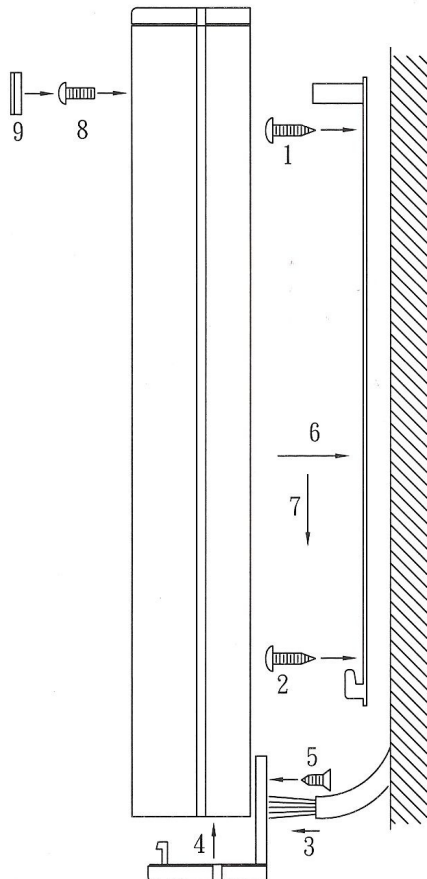
## GSM Door Phone

1. Take the wall-mount bracket from the package and screw it on proper place (as Step 1 & 2 shown below).
2. Open the bottom cover of door unit and pass the wires through the hole. Then, refer to the **“Wiring Diagram and Wiring Instruction”** to connect wires and insert the SIM card to SIM card slot (as Step 3 shown below).

**Note:** The GSM Door phone can not work in case there is password set on SIM card. Please check and then release the password setting on the SIM card.

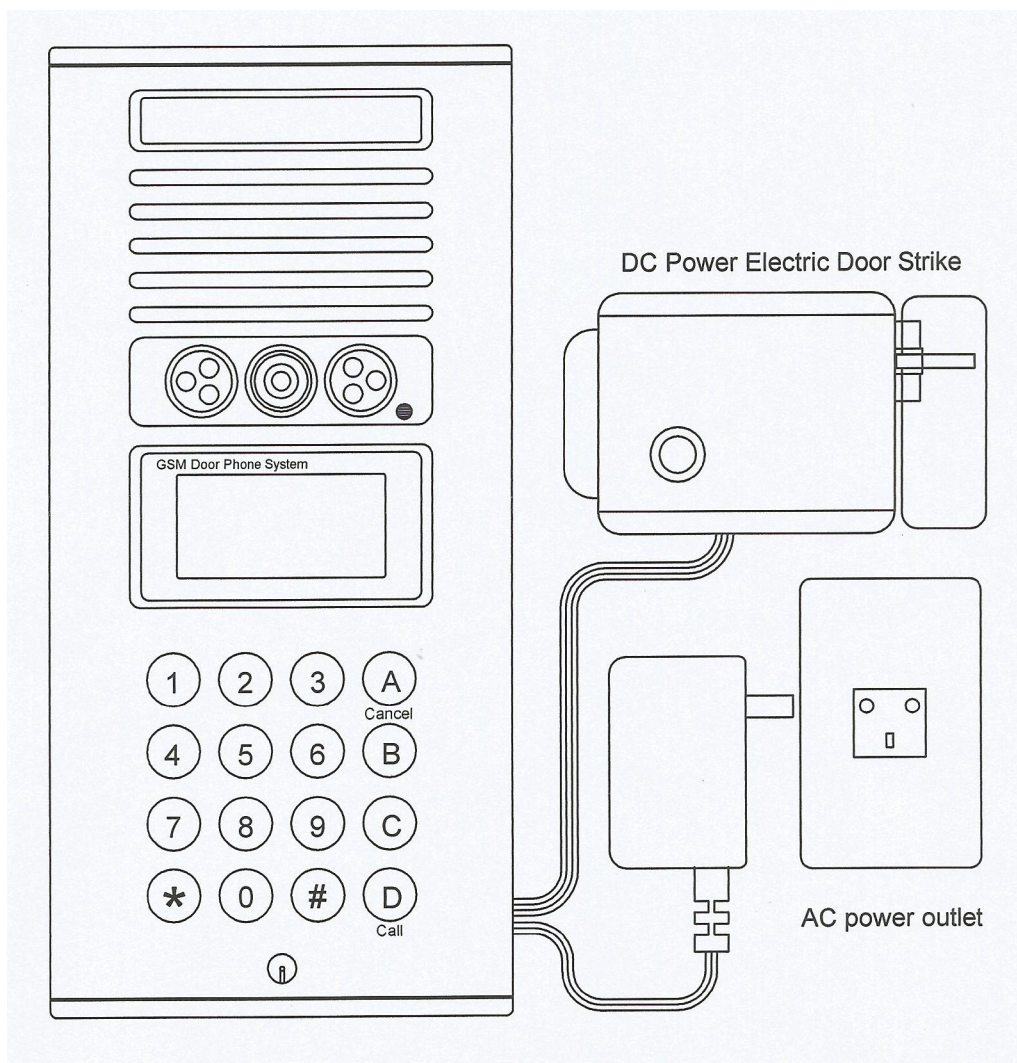
Please also delete all SMS on the SIM card.

3. Put the bottom cover back (as Step 4 shown below).
4. Place door unit on the fixed wall-mount bracket (as Step 6 & 7 shown below).
5. Put the acrylic cover on the door unit when door unit has been screwed (as Step 8 & 9 shown below).





6. Plug the AC adapter into the AC outlet, then the door unit will go into standby mode.



**WARNING:** Only use the original power adapter supplied. Using any other adapter might damage the door unit and cause a risk of electric shock.

# Wiring Instructions

## 1. System Power Supply Wiring

The system power supply (adapter) AC 120V or 230V / DC 13V is provided along with the system (please note whether it can meet local voltage specification).

The negative wire is connected to **Terminal Pin 1** and the positive wire is connected to **Terminal Pin 2**.

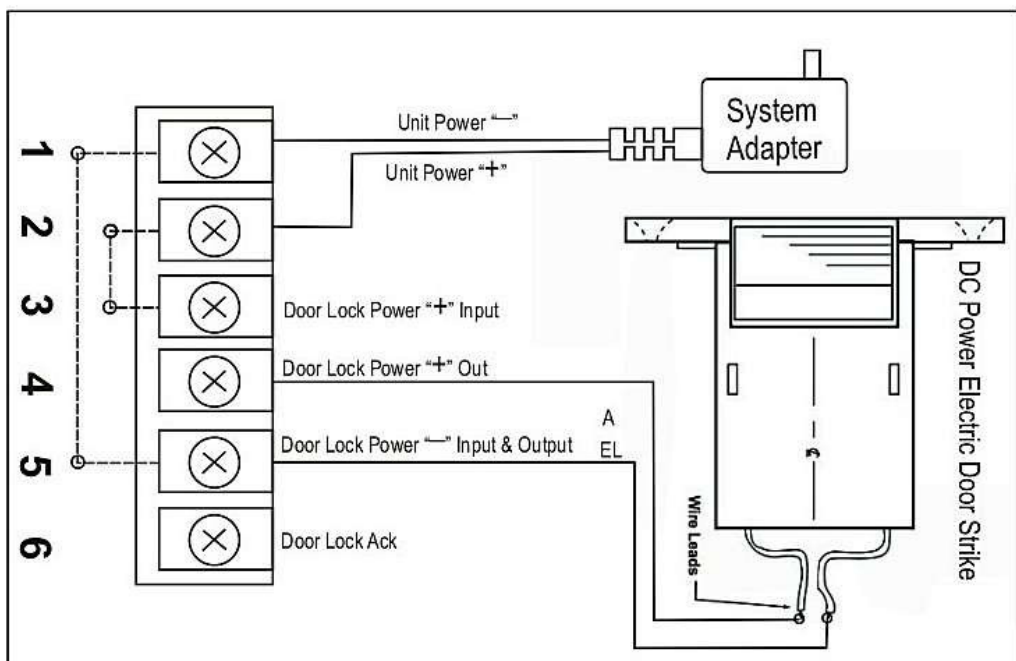
## 2. Install Door Lock with System Power Wiring

The door lock power may be supplied from the system by connecting the positive wire of the lock to **Terminal Pin 4** and the negative wire to **Terminal Pin 5**. The ACK wire, if your strike has one, is connected to **Terminal Pin 6**. (The system will supply 12 volts DC at 1000mA.)

## 3. Install Door Lock with its own Power Supply Wiring

If the door lock comes with its own power supply or requires more power than what this unit provides, then the power should be connected as follows: Remove the jumper wires joining **Terminal Pin 2** and **Terminal Pin 3**. Remove the jumper wires joining **Terminal Pin 1** and **Terminal Pin 5** as well. The positive wire of the power supply is connected to **Terminal Pin 3** and the negative wire to **Terminal Pin 5**.

The door lock's positive wire is connected to **Terminal Pin 4** and the negative wire is to **Terminal Pin 5**. The ACK wire, if your strike has one, is connected to **Terminal Pin 6**.



# OPERATION

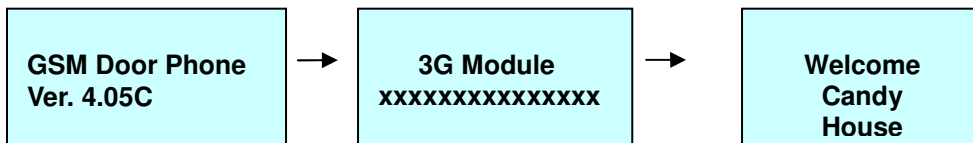
- **Before operation:** Please make sure the GSM Door Phone is installed correctly. Please also study all button functions before use.

## Power On/Off

### Turn on the power

Insert the plug of the power adapter into the DC power jack of door unit and the other end into an AC power outlet.

When the power is on, the system will emit a “beep” sound, show “GSM Door Phone” and software version on screen, then show “Search Network” for a few seconds, and then go to standby mode.



### Turn off the power

Turn off the door unit by unplugging the power adapter from the AC power outlet.

## Dial extension number

During the period of dialing telephone number, press C to enter \*, # or +.

(Pressing C one time is \*, two times is #, three times is +. It will be showed in cycle.)

To dial the extension number, the procedures are as listed below:

1. Dial telephone number.
2. Press C one time and \* will be showed on screen. (\* = waiting for one second, \*\* = waiting for 2 seconds, \*\*\* = waiting for 3 seconds, ...)
3. Dial extension number.

For example:

03726692\*\*\*123 (When telephone number 037266922 is connected, the phone will connect extension number 123 after 3 seconds.)

## Manager Mode and Functions

**Note:** The unit will be time out after 5 seconds if no button is pressed.

Press **A (MENU)** button, and the system will show "Hello! Manager!

"Password: \_\_\_\_\_".

Hello! Manager!  
Password: \_\_\_\_\_

After entering default password "**123456**", press **D** Call button to show the button functions as listed below:

**D : Select/Save**  
**A: Menu/Exit**  
**B: Delete**  
**\* / # : Move Cursor**  
**▲ ▼**

Press any button or wait for 6 seconds, it will show:

Manager  
Subscriber  
Sub-Menu

## Manager Settings

Under the Manager section, there are 4 main options: "System Setting", "Volume Setting", "Door Setting" and "Calling Setting".

System Setting  
Volume Setting  
Door Setting  
Calling Setting

Press **D** Call button to enter System Setting.

Change Password  
Manager Phone  
Talking Time  
Greetings

### Change Password

Manager → System Setting → Change Password

**Note:** The Manager Password is the key to enter Programming Mode. Please make sure to keep the Manager Password in a safe place. If you forget the Manager Password, you'll have to do a Master Reset which will delete your stored phone numbers and settings.

### Change Password

New: \_\_\_\_\_

Confirm: \_\_\_\_\_

Under the **Manager** Menu option, press **D** Call button.

Select **System Setting** and press **D** Call button.

Select **Change Password** and press **D** Call button.

Enter new password by Number button (must be 6 digits).

Enter password again to confirm and press **D** Call button.

### Manager Phone Number

Manager → System Setting → Manager Phone

**Note:** This will be the number that is called when the **D** CALL button is pressed in standby mode.

### Manager Phone #

1:

Under the **Manager** Menu option, press **D** Call button.

Select **System Setting** and press **D** Call button.

Select **Manager Phone** by **\*/#** key and press **D** Call button.

With cursor on the **1**, press **D** Call button to enter phone number

Enter phone number with prefix and area code, then press **D** Call button to save.

(If you enter a number incorrectly, use the **\*/#** button to move forwards or backwards. The **B** (Delete) button will clear a digit you do not want.)

Press **A**(EXIT) button to return to previous option screen.

### Set Seconds for Talking Time

Manager → System Setting → Talking Time

### Talking Time

030 Second(s)

Under the **Manager** Menu option, press **D** Call button.

Select **System Setting** and press **D** Call button.

Select **Talking Time** and press **D** Call button.

Input the number for minutes you will need for the intercom to be made without re-dial, then press **D** Call button to save.

Press **A** (Exit) button to return to previous option screen.

**\* Talking time: Setting from 10~180 seconds.**

## Set “Greetings”

Manager → System Setting → Greetings

**Greetings: User**

**Press \* or #  
to edit**

Under the **Manager** Menu option, press **D** Call button.

Select **System Setting** and press **D** Call button.

Select **Greetings** and press **D** Call button.

Select the default 1, 2 or User setting.

**Greetings: 1**  
**Enter**  
**Flat Number**  
**then CALL**

**Greetings: 2**  
**Welcome!**

Enter the Greetings: 1 or 2 screen, then select default 1 or 2, press **A**(Exit) to confirm and exit.

To set the “Greetings” by user, press \* or # key to start the setting.

Press C key to select ABC, abc or 123. 0 key for space.

After “Greetings” is set, press **D** Call button to save, press **A** (Exit) to exit and return to previous option screen.

## **Volume Settings**

### Change Microphone Volume

Manager → Volume Setting → Mic. Volume

**Mic. Volume**  
**Speaker Volume**

**Note:** There are 2 (High and Low) of sensitivity for the microphone volume. If the GSM Door Phone is installed outdoors, please set the microphone level to “High”. This may help to reduce picking up too much background noise and/or feedback from the speaker.

**Mic. Volume**  
**High**

Under the **Manager** Menu option, press **D** CALL button.

Select **Volume Setting** and press **D** CALL button.

Select **Mic. Volume** and press **D** CALL button.

Press **\*(up)/#(Down)/D** buttons to adjust volume to High or Low.

Press **A** (Exit) button to return to the previous option screen and the last setting will be saved automatically.

### **Change Speaker Volume**

Manager → Volume Setting → Speaker Volume

#### **Speaker Volume**

<- \* \* \* \* ..... ->

**Note:** There are 9 levels of speaker volume from left (lowest) to right (loudest). If the GSM Door Phone is installed outdoors, please set the speaker level to 4 or 5. Try not to set the speaker volume to the maximum level because it may cause feedback.

Under the **Manager** Menu option, press **D** Call button.

Select **Volume Setting** and press **D** Call button.

Select **Speaker Volume** and press **D** Call button.

Press **\*/#** (Up/Down) buttons to adjust volume.

Press **A** (Exit) button to return to the previous option screen and the last setting will be saved automatically.

### **Change Speaker Volume during Conversation**

At any time during the conversation, if the caller needs to increase speaker volume, he can press **\*/#** (Up/Down) buttons to make adjustment. The screen will show the current speaker volume and the microphone will be mute for 1.5 seconds, then the conversation will be continued.

## Door Setting

### Enable/Disable Door Lock Open by Password

Manager → Door Setting → Open by Password

Open by Password  
Caller ID Open  
Door Open Time  
Door Relay Type

Open by Password  
Function: Enable  
Password: xxxxxx

**Note:** If your GSM Door Phone is connected with an electric door strike, you can activate the password feature to open the door lock with a password. The default password is “123456”.

Under the **Manager** Menu option, press **D CALL** button.

Select **Door Setting** and press **D CALL** button.

Select **Open by Password** and press **D CALL** button.

Press **D Call** button to toggle between “**Enabled**” and “**Disabled**”.

Press **A** (Exit) button to return to the previous option screen and the last setting will be saved.

Under standby mode, press the **password** and then press “**A**” to open the door.

### Caller ID Open

Manager → Door Setting → Caller ID Open

Caller ID Open  
Function: Enable

**Note:** This GSM Door Phone system will allow the user to open door by Caller ID function. This feature is designed for easy access control.

Under the **Manager** Menu option, press **D Call** button.

Select **Door Setting** and press **D Call** button.

Select **Caller ID Open** and press **D Call** button to Enable or Disable this function.

Press **D Call** button to save the function.

Press **A** (Exit) button to return to previous option screen.



## **Door Opening Time**

Manager → Door Setting → Door Open Time

**Door Open Time**

**03 Second(s)**

**Note:** This GSM Door Phone system will allow the user to set how long the door lock will be opened. Sometimes, the user might need more time to reach from the door phone unit to the locked main gate. We suggest to set enough time to allow him/her walk in no hurry. (Setting time from 01~99 Second(s))

Under the **Manager** Menu option, press **D** button.

Select **Door Setting** and press **D** button.

Select **Door Open Time** and press **D** button.

Enter the **Number** of seconds from 01 to 99.

Press **D** button to save.

Press **A** (Exit) button to return to previous options screen.

## **Door Relay Type**

Manager → Door Setting → Door Relay Type

**Door Relay Type**

**Normal Open**

Under the **Manager** Menu option, press **D** Call button.

Select **Door Setting** and press **D** Call button.

Select **Door Relay Type** and press **D** Call button.

Press **\*/#** (Up/Down) buttons to select “Normal Open” or Normal Close”.

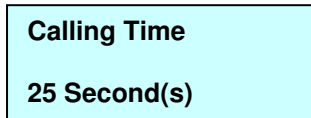
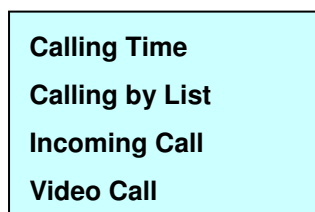
Press **D** Call button to save the setting.

Press **A** (Exit) button for back to previous option screen.

## **Calling Setting**

### **Set Calling Time**

Manager → Calling Setting → Calling Time



**Note:** The GSM Door Phone can be set with the calling time by seconds.

Under the **Manager** Menu option, press **D** CALL button.

Select **Calling Setting** and press **D** CALL button.

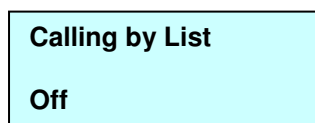
Select **Calling Time** and press **D** CALL button.

Press **Number** button to set calling time and press **D** CALL button to save.

Press **A** (EXIT) button for back to the previous option screen.

### **Change the Calling by List**

Manager → Calling Setting → Calling by List



**Note:** The GSM Door Phone system will call the 2<sup>nd</sup> phone number when 1<sup>st</sup> phone number is not available when the "calling by list" is set to "ON". To store phone numbers, please refer to "Store Manager Phone number" section.

Under the **Manager** Menu option, press **D** CALL button.

Use **\*/#** to select **Calling Setting** and press **D** CALL button.

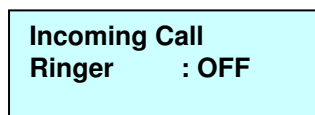
Use **\*/#** to select **Calling by List** and press **D** CALL button.

Press **D** button to adjust On or Off for the Calling by List function.

Press **A** (EXIT) button to return to previous option screen.

### **Set the Incoming Call**

Manager → Calling Setting → Incoming Call



**Note:** The GSM Door Phone system will allow the user to set the calling by list.

Under the **Manager** Menu option, press **D** Call button.

Use **\*/#** button to select **Calling Setting** and press **D** Call button to enter.

Use **\*/#** button to select **Incoming Call** and press **D** Call button .  
Press **D** button to select **Ringer** function ON or OFF.  
Press **A** (Exit) button to return to previous option screen.

### Set the Video Call

Manager → Calling Setting → Video Call

Video Call : OFF  
Recording : ON  
IR Setting  
SD Setting

**Note:** The GSM Door Phone system will allow the user to set the calling by list.

Under the **Manager** Menu option, press **D** Call button.  
Use **\*/#** button to select **Calling Setting** and press **D** Call button to enter.  
Use **D** button to On/OFF the **Video Call function** .  
Press **D** button to select **Recording** function ON or OFF.  
Use **\*/#** button to select **IR Setting** function and press **D** button to enter.

IR Lux Level  
IR Delay Off

Press **D** button to enter IR Lux Level and Use **\*/#** button to adjust the Lux level. (0~13)  
Use **\*/#** button to select IR delay off time and use **Number\*/#** button to adjust the delay off time (000~249)  
Press **A** (Exit) button to return to previous option screen.

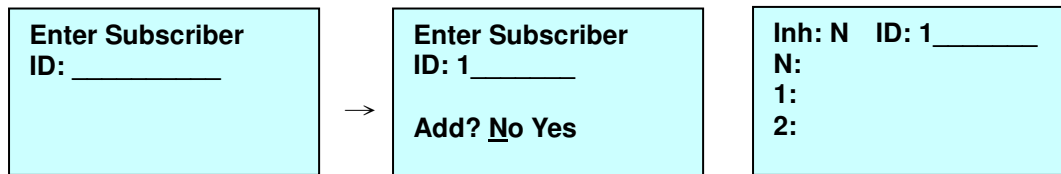
### **Subscriber:**

The Subscriber function supports to set up multiple tenants and enable the user to press a subscriber number by the **D** Call button to connect with the tenant. A subscriber ID # can be set from 1 to 6 digits in length. There are maximum 750 subscribers which can have 3 phone numbers programmed for each.

The first registered phone number will be the first number that the GSM Door Phone will call. If the first registered number is busy or no one answers the call, the door phone will automatically dial the second registered number. We suggest that the first number can be the home phone number and the second number can be a mobile phone number.

## Subscriber ID Number Setup

Subscriber → Enter Subscriber ID: \_



Select **Subscriber** Menu option and press **D** Call button.

You can choose from 1 digit to 6 digits for the Subscriber ID.

Enter Subscriber ID “\_\_\_\_\_” and press **D** Call button.

Press **1** button and press **D** Call button to start input of the first tenant information.

Use **\*/#** button to move cursor to “Yes” and press **D** Call button to confirm.

While the cursor is moved to “**N**” (Name) position, press **D** Call button, and then you can enter the tenant’s name by 2~9 Number buttons. (Use F3 button to select ABC or abc, 0 button = space button).

Move cursor to **1** by **\*/#** button and press **D** Call button to enter. Enter the first phone number with area code, then press **D** Call button to save.

Move cursor to **2** by **\*/#** button and press **D** Call button to enter. Enter the second phone number with area code, then press **D** Call button to save.

Press **A** (Exit) button to exit.

(**Note:** Follow above steps to set the other tenant’s name and phone number.)

## **Sub-Menu**

Sub-Menu → SMS Setting → Setting by SMS

<b>Setting by SMS</b>  <b>ON</b>
--

**Note:** The GSM Door Phone system allows the user to set function by SMS. Before setting by SMS, the user has to ON the function of Setting by SMS. For the detail of SMS setting, please find the list attached with the user manual.

Use **\*/#** to select **Sub-Menu** and press **D** button to enter.

On **SMS Setting** Menu, press **D** button to enter.

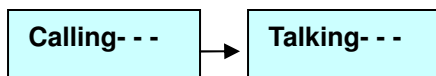
Press **D** button to adjust On or Off the **Setting by SMS** function.

Press **A** (EXIT) button to return to previous option screen.

## Contact a Subscriber

Under the "Welcome!" mode, enter **User ID number** (from 1 ~ 999999) and then press **D** Call button.

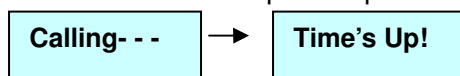
If the ID exists, the system will start dialing and show "**Calling...**" on the screen. When the phone is connected, the screen will show "Talking".



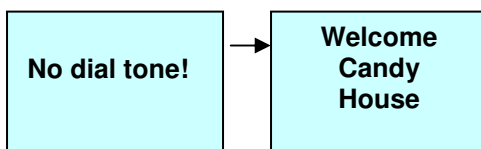
If the ID does not exist, the screen will show "Incorrect!".

**Incorrect!**

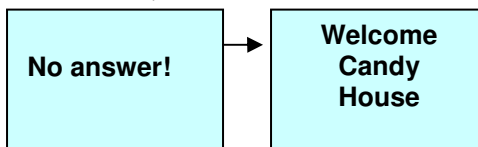
If the ID exists, but there is no number assigned, the screen will show "Calling...", but will never connect and then time out after 3 minutes. In order to avoid this problem, please make sure to input the phone number on each User ID.



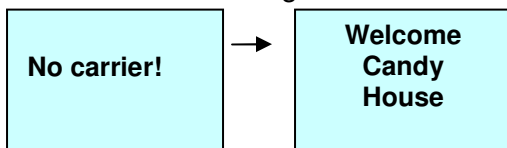
If the dialing fails, the screen will show "No dial tone" and go back to standby mode.



If the call is not answered within one minute, the screen will show "No answer" and go back to standby mode.



During conversation, if the other party hangs up or the line is cut, the screen will show "No carrier" and go back to standby mode.



During conversation or while dialing, pressing **A** (Menu/Exit) or **B** (Delete/Cancel) button will stop the conversation.

## Open the Door Remotely

During conversation, the called party can press the \* button to open the door. The door-open time can be set by user. The default setting is 3 seconds.

## Go Back to Standby Screen Automatically

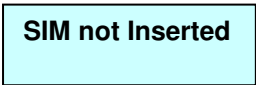
If the manager password has been entered and no button is pressed within 30 seconds, the screen will go back to the standby mode – “Welcome!”

If a **Subscriber ID** is entered and no button is pressed within 6 seconds, the screen will go back to the standby mode.

If no button is pressed within 30 seconds under the **Manager** or **Subscriber** option, the screen will go back to the standby mode.

## SIM Card

If the SIM card is not inserted, the screen will show “SIM not Inserted” when the system is turned on.



**SIM not Inserted**

## Call Manager

If “Manager Phone #” has been programmed, the system will directly dial this number while the visitor presses **D** Call button at the standby mode.

If “Manager Phone #” is not stored, no action will be taken by pressing the **D** Call button

## Master Reset

The following operation will make the unit back to factory default. Please note that this will erase all passwords, phone numbers and subscribers.

At the Standby mode, press **B**(C), **\***(UP), **\***(UP), **\***(UP), **#**(DOWN), **#**(DOWN), **#**(DOWN) and **D** Call buttons in sequence. It will show “Initial System Please Wait...”, then all is back to default.

## PC Programming Function Setting

- Install the GSM Door Phone software to PC.
- Connect the USB cable from GSM door phone to PC. Then, you can start the Function Setting from PC. Please refer the information as follows:

### 1. System Setting

**System Setting**

Manager Phone Number: 037266922

Open Door Password: ☐ Enabled

Caller ID Opening: ☒ Enabled

Door Open Time: 3 (1~99)

Door Relay Type: Normal Open

Ringer: ☐ Enabled

Calling List: ☐ Enabled

Talking Time Limit: 3 (1~99)

Calling Time: 25 (20~99)

SMS control: ☒ Enabled

Microphone: 2 (1~9)

Speaker: 2 (1~8)

**Video Call**

Video System: NTSC

Function: ☒ Enabled

Recording: ☒ Enabled

IR Lux Level: 5 (0~13)

IR Delay Off: 5 (0~250)

SD Full Alert: SMS

SD Size: 7.48GB

SD Used: 2.84GB

Format SD

**Firmware Version**

Firmware Version: 4.07A Load Default

**GSM Module**

1575B13SIM5215A

**Greetings**

☐ Enter Flat Number then Call

☐ Welcome

☐ User Defined as below

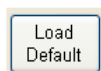
Line 1:

Line 2:

Line 3:

**2G/3G Status**

☒ 2G ☐ 3G ☐ None Set



Click [Load Default] button to reset the door phone unit to the factory settings.



Select or input the new settings and then click [Set] button to setup the door phone unit.

### 2. Change Password

**Change Password**

New Password: (000000 ~ 999999)

Enter Again: Set



Click [Set] button to change the door phone with the new password.

### 3. Firmware Update

**Firmware Update**

Open Program Cancel

Open

Click [Open] button to select the firmware file to be updated.

Program

Put the door phone unit into the program mode, and then click [Program] button to start to update the firmware.

How to put the door phone unit into the program mode:

There are two tack switches on the PCB of the door phone unit, press and hold the [ISP] switch first, and then press the [RESET] switch for 2 seconds then release the [RESET] switch, keep [ISP] switch on hold for 2 more seconds and then release the [ISP] switch, the door phone unit enter into the program mode now.

## 4. Subscriber Loading

ID	Name	Phone 1	Phone 2	Phone 3
000003	Peter	222222222	3333333333	

Open

Click [Open] button to select the subscriber file to be uploaded.

Upload

Click [Upload] button to start uploading the subscriber list to the door phone unit.

Download

Click [Download] button to start downloading the subscriber list from the door phone unit.

Save

Click [Save] button to save the subscriber list to the opened file.

Save As

Click [Save As] button to save the subscriber list to a new file.



Add

Click [Add] to enter ID, Name, Phone 1, Phone 2, Phone 3, Inhibit data and then click [OK] to add new subscriber to the subscriber list or click [Cancel] button to abort.

Edit

Click [Edit] to change ID, Name, Phone 1, Phone 2, Phone 3, Inhibit and then click [OK] to replace the subscriber selected or click [Cancel] button to abort.

Delete

Click [Delete] to and then click [OK] to remove the subscriber selected or click [Cancel] button to abort.

## Video Player

Insert the SD card to PC, the recorded information will be displayed by Media Player if the PC is installed this software. If the PC doesn't have media player software, you can also download the player from the following web-sites for personal use:

### 1. KM Player

Download web-site:

[http://download.cnet.com/KMPlayer/3000-13632\\_4-10659939.html](http://download.cnet.com/KMPlayer/3000-13632_4-10659939.html)

### 2. Free MP4 Player

Download web-site:

[http://download.cnet.com/Free-MP4-Player/3000-13632\\_4-75965047.html](http://download.cnet.com/Free-MP4-Player/3000-13632_4-75965047.html)

### 3. Media Player Classic

Download web-site:

[http://download.cnet.com/Media-Player-Classic-Home-Cinema-64-bit/3000-13632\\_4-75285683.html](http://download.cnet.com/Media-Player-Classic-Home-Cinema-64-bit/3000-13632_4-75285683.html)

***\* This document is subject to change without notice.***