

# **Wireless Digital Video Doorbell**

**CL-3684**

**USER'S MANUAL**

## ■ Prior To Use

### **Congratulations**

...on purchasing our high quality product. Please read the manual carefully before installing your system and follow all of the directions to ensure proper installation.

### **Safety Precautions**

To reduce the risk of electrical shock and injury, please follow these basic safety precautions before using the product.

1. Carefully read and observe the instructions in this manual.
2. Follow all warnings marked on the unit.
3. Must set the time and the date when replace batteries.
4. Unplug this product from the wall outlet before cleaning, then use a damp cloth to wipe. Do not use liquid or aerosol cleaners.
5. Do not place objects on the line cord that may cause damage.
6. Do not place the Outdoor station near the metal.
7. Pay attention to the polarity of the batteries, insert the rechargeable batteries in accordance with polarity symbols (this instruction is found in the installing batteries section.)
8. Keep out of the reach of children.
9. Use only in the described manner.
10. Stop using if it becomes damaged.

## ■ Introduction

- ▶ Supports up to 4 outdoor units
- ▶ 2.4" (320x240) QVGA LCD display
- ▶ Video resolution: 320 x 240, with 25pics per second
- ▶ Wide angle lens and LED for night vision
- ▶ Long standby doorbell (battery up to 2 years or connect with DC+9~12V )
- ▶ Water-proof outdoor station Ip55
- ▶ Microphone and speakerphone
- ▶ Brightness and talk volume are adjustable
- ▶ Crystal sound quality
- ▶ Transmitting distance : with up to 200m range out of doors
- ▶ Transmitting distance : with up to 50m range indoors
- ▶ Remote door opening ( Optional)
- ▶ DIY installation to save high labor cost

## ■ Unpacking

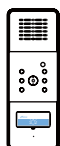
Once you have unpacked your product, make sure that all the parts shown below are available. If any pieces are missing or broken, please promptly call your dealer.



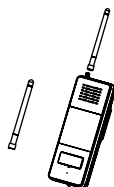
Charger



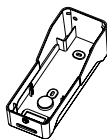
Receiver



Outdoor station



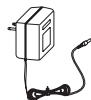
Antenna  
(Optional)



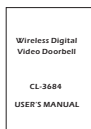
Rain Cover



3 AAA Ni-MH  
batteries



Adapter  
(7.5V, 300mA)



User' s Manual



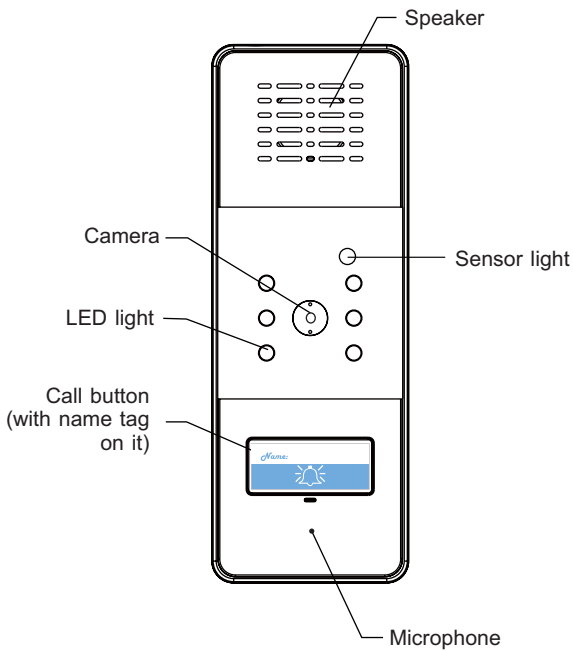
Outdoor station  
rear cover



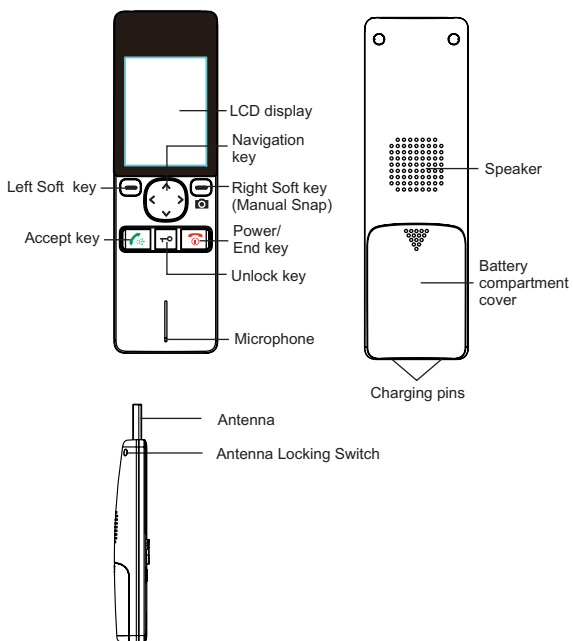
Screws

## ■ Layout

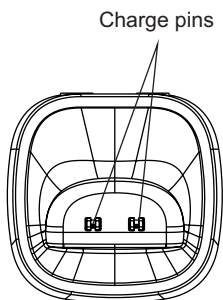
### Outdoor Station



## Receiver



## Charger

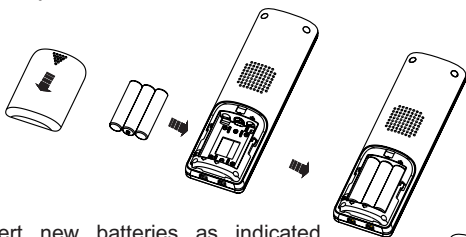


## ■ Installing Batteries

### Receiver

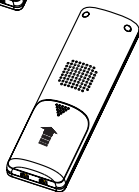
The rechargeable Ni-MH batteries (AAA size, 1.2V, 800mAh) come with your receiver. Install the batteries before use.

1.



2. Insert new batteries as indicated, matching correct polarity(+,-).

3. To replace the battery cover, slide the cover up until it snaps in place.

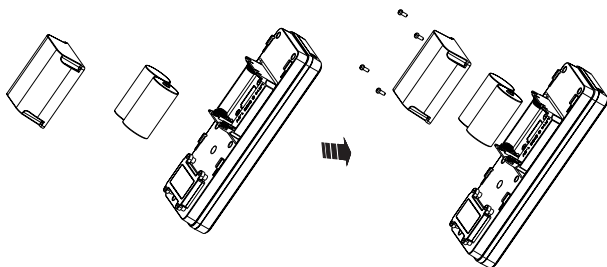


### Notes:

- *Reversing the orientation may damage the handset.*
- *The batteries need to be replaced if they do not recover their full storage capacities after recharging.*
- *When replacing the batteries, always use good quality Ni-MH re-chargeable batteries. Never use other batteries or conventional alkaline batteries.*

## Outdoor station

1. Install two C size batteries (not supplied) into the battery compartment.
2. Drill four screws to fix the battery cover up.



## ■ Charging Receiver

**! Important Note:** Before initial operation, **YOU SHOULD FULLY CHARGE THE RECEIVER** for about **15 hours**.

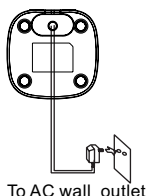
To charge the receiver, you should place it on the charger.



## ■ Installation Instruction

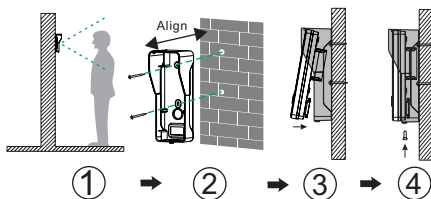
### Receiver

Connect the modular end of the AC power adapter to the power jack of the charger, then plug the AC adapter into a standard AC wall outlet.



### Outdoor station

1. Choose a proper location for the outdoor station. Be sure to consider the average height of visitors.
2. Align the rain cover and screws with the holes in the wall.
3. Install the outdoor station into the rain cover. Please refer to the picture 3 below.
4. Drill a screw to fix and finish the installation.

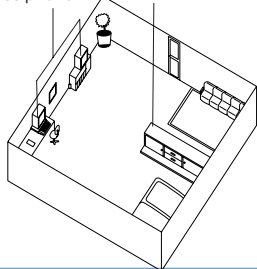


### Notes:

Away from electrical appliances, such as a TV, personal computer or another cordless phone.

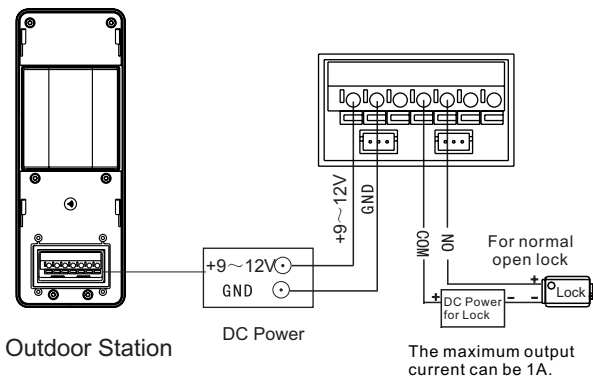
In a HIGH and CENTRAL location with no obstructions such as walls, microwave oven and WIFI.

Slide the antenna locking switch to unlocking position, the receiver antenna will pop up to receive better signal.

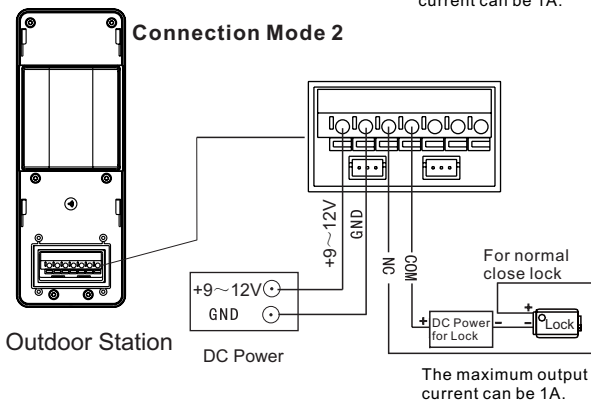


## ■ Diagram

### Connection Mode 1



### Connection Mode 2





### Note:

- Both the batteries and the power supply are available, but not to use them at the same. To support some special functions, like monitoring, backlight on the call button and unlocking, please connect the power supply.


## ■ Operations

### Turning On / Off

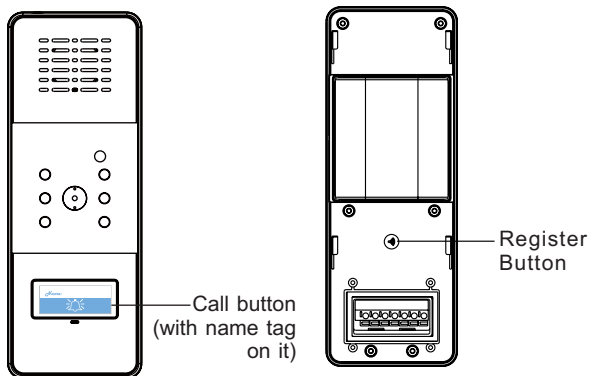
To turn the indoor phone on, press and hold  .

To turn the indoor phone off, press and hold  .

### Register

First, press  beneath **Menu** on the Receiver, then select the **Register** menu. Second, press the **Call** button of the Outdoor station, then hold the **Register** key on the back of the Outdoor station until the LED light blinks. Once a prompt tone is heard, the Outdoor station has been registered to the Receiver successfully.

If twice prompts tones is heard, the registration was unsuccessful, turn off the Receiver and remove the batteries from the Outdoor station before you hold the **Register** key. Then turn on the Receiver again, re-install the Outdoor station's batteries and try again.



## ■ Operations

### Register(Continued)

The Receiver can support up to 4 Outdoor stations.

1. When you have registered one Outdoor station, the register interface will display as follow:







2. When you have registered 4 Outdoor stations, the register interface will display as follow:

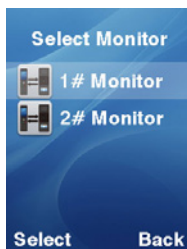


## ■ Operations

### Monitor

About the monitor function, the LCD will automatically display the corresponding menu according to the registered Outdoor stations.




1. In the standby mode, press  beneath **Mon.**
2. When registers one Outdoor station, the LCD will display 1# Monitor.
3. When registers two or more Outdoor stations, the LCD will display 1#, 2# ...Monitor (Pictures below), and you can press **Up**  or **Down**  to choose the monitor which you need, then press  beneath **Select**.



## ■ Operations

### Calling Receiver


In standby mode, press the **Call** button on the Outdoor station. The corresponding receiver rings, and the image of the visitor appears on the LCD of the receiver.

1. If the master does not want to answer, press  to cancel the ringer and the video.
2. After the master press , the receiver will stop ringing. Then the conversation starts.
3. Press  to end the conversation.

#### Notes:

- *The conversation can be up to 2 minutes. After 2 minutes, the line will be disconnected automatically.*
- *The monitor process can be up to 5 minutes. After 5 minutes, the receiver will exit monitor mode automatically.*

### Unlocking















During a conversation, to unlock the door, press  on the Receiver.

### Light Sensor

When someone presses the **Call** button on the Outdoor station, all the LED lights will light on if the ambient environment gets too dim.

## ■ Menu Description

### Chapter 1:Date&Time

- 1.Press  beneath **Menu** to display the main menu items.
- 2.Press **Up**  or **Down**  to choose  , then press  beneath **Select**.
- 3.If you want to set the time, you can press **Left**  or **Right**  to choose the **Hour** or the **Minute**, and press the **Up**  or **Down**  to adjust.
- 4.If you want to select the date, you can press **Left**  or **Right**  to choose the **Year** or the **Month** or the **Date** , and press the **Up**  or **Down**  to adjust.
- 5.Press  beneath **Back** to return to the previous menu.











#### **Notes:**

- The time format is 24-hour format and the date format is YY-MM-DD.
- The **Date&Time** must be set beforehand to ensure that the time displayed on the monitoring pictures are correct.
- When you replace batteries, you must set the time and the date again.
- The **Date&Time** setting order is **Hour -> Minute -> Year -> Month -> Date**.



## ■ Menu Description (continued)

### Chapter2: Volume

This function allows you to adjust the volume (9 levels are adjustable) during a call.

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose , then press  beneath **Select**.
3. Press **Left**  or **Right**  to select the volume that you like. Each time you press **Left**  or **Right** , the receiver sounds with the selected volume.
4. Press  beneath **Back** to save the settings and return to the previous menu.

#### **Note:**











- Also, you can use **Left**  or **Right**  key to adjust the volume in the standby mode.





## ■ Menu Description (continued)

### Chapter3: Brightness

This function allows you to adjust the light level (9 levels are adjustable).

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose  , then press  beneath **Select**.
3. Press **Left**  or **Right**  to select the light level that you like. Each time you press **Left**  or **Right**  , the receiver displays with the selected light level.
4. Press  beneath **Back** to save the settings and return to the previous menu.









#### **Note:**

- Also, you can use **Up**  or **Down**  key to adjust the light level in the standby mode.

## ■ Menu Description (continued)

### Chapter 4: Key Tone









Every time you press a key, your receiver acknowledges it with a key tone. You can disable the key tones for a silent use. In certain error conditions, a warning tone will sound when an incorrect key is pressed.

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose , then press  beneath **Select**.
3. Press **Up**  or **Down**  to choose **On** or **Off** to enable or disable the function.
4. Press  beneath **Select** to save the settings and return to the previous menu.

## ■ Menu Description (continued)

### Chapter 5: Snap Setting

The unique **Snap Shot** function records up to 50 photos of whoever visit your home whether you are there or not. To get this **Auto Snap**, please set it up in the receiver as follow.

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose , then press  beneath **Select**.
3. Press **Up**  or **Down**  to choose **On** or **Off** to enable or disable the function.
4. Press  beneath **Select** to save the settings and return to the previous menu.

With this **Auto Snap On**, the camera will take a photo of visitor automatically when visitors press the **Call** button on the Outdoor station. You then can pick up this photo easily in the receiver.













#### **Note:**

- *During a conversation, the camera can take a photo of visitor if you press the **Snap** key and save it into the receiver.*
- *During a monitoring, the camera can take a photo of the view if you press the **Snap** key and save it into the receiver.*
- *Up to 50 photos can be stored in the handset. The previous ones will be removed automatically if the photos are exceeding 50 pieces in the receiver.*

## ■ Menu Description (continued)









### Chapter 6: Snap Show

You can save or delete the recorded photos under this menu. The outdoor station's number will also be displayed on the upper left of photo correspondingly.

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose , then press  beneath **Select**.
3. Press **Left**  or **Right**  to browse pictures.
4. If you want to delete the photo, use **Left**  or **Right**  to choose the photo you want to, then press the  beneath **Del**. The display will show **Delete?**, Press  beneath **Yes** to confirm. After a beep the LCD shows the next photo.
5. Press  beneath **Back** to return to the previous menu.

### Chapter 7: Default Setting

This function allows you to reset the receiver settings to the factory default.

1. Press  beneath **Menu** to display the main menu items.
2. Press **Up**  or **Down**  to choose , then press  beneath **Select**.
3. Press **Up**  or **Down**  to choose **YES** or **NO** to enable or disable the function.
4. Press  beneath **Select** to save the settings.



**Result:** After resetting, the receiver will return to standby mode.

#### **Note:**

- If you reset the receiver to the factory default, all of the settings will return to the factory default.

## ■ Engineering Mode



### Delete the Registered Outdoor Station

1. Press and hold the  and  beneath **Menu** at the same time about 5 seconds in standby mode, then the display will show as follow:






Registration  
Cleared !

2. After 5 seconds, it will exit automatically.

### Change the Unlock Time

1. Press and hold the  and  at the same time about 5 seconds in standby mode, then the display will show as follow:

Unlock Time  
1# 5 S


2. Press **Left**  or **Right**  to select the Outdoor station.
3. Press **Up**  or **Down**  to select the unlock time (1-25 are selectable), then press the **Right** soft key  to confirm, the display will show **SAVE OK**.
4. After 5 seconds, it will exit automatically.

## ■ Technical Specification

Item	Detail
Outdoor station	
Transmit Frequency Range	2.400GHz~2.4835GHz
Data Rate	2.0Mbps
Transmitting Power	19dBm (TYP)
Modulation Type	GFSK/FSK
Transmitting Distance	Outdoor:200m, Indoor:50m
Image Sensor Type	1/4" Color CMOS Image Sensor
Effective Pixels	H:320 V:240
Image Processing	Motion JPEG
Image Resolution / Frame Rate	H:320 V :240 / 25fps
White Balance	Auto
Lens	4.9mm / F2.8
Viewing Angle (Diagonal)	50
Minimum Illumination	1 LUX (without LED illumination)
LED	6 LEDs
Power Requirement	+9~12V DC +-5% /2 LR14(C) , 1.5V batteries
Power Consumption	500mA Max (cells), 400mA Max (+12V DC)
Operating Temperature	-30℃~40℃
Operating Humidity	0%~85%RH
Weight	166g
Size(WXHXD)	185 68 50mm

## ■ Technical Specification

Item	Detail
Receiver	
Receiving Frequency Range	2.400GHz~2.4835GHz
Monitor	2.4"Color LCD
Data Rate	2.0Mbps
Receiving Sensitivity	-90dBm
Demodulation Type	GFSK/FSK
Resolution	320 240(RGB)
Transmitting Power	19dBm(TYP)
Power Requirement	3 Ni-MH1.2V,800mAh
Power Consumption	450mA Max
Operating Temperature	-10℃~40℃
Operating Humidity	0%~85%RH
Weight	110g
Size(WXHXD)	Receiver: 165 50 27mm Charger: 79 77 42mm
No. of outdoor stations supported	Max.4

 Design and specifications are subject to change without notice.