2 Wires Video Intercom Kit

USER MANUAL

CE FC RoHS

Part 1 Indoor Monitor

A--Ringtone Volume Adjustment
B--Voice Volume Adjustment
C--Chroma/Contrast Adjustment
D--Brightness Adjustment

Microphone
'CALL ON/OFF' Button
'Unlocking' Button 2
'Unlocking' Button 1
'MONITOR' Button
A B C D
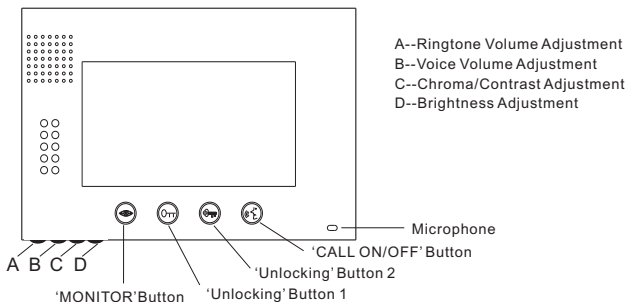
Features:

1. Soft-Touch button operation
2. Two-Way voice communication
3. Dual door release options
4. Volume,brightness & contrast adjustable
5. Surface mounted
6. 2-Wire installation

TECHNICAL SPECIFICATIONS

Display	7" Color TFT LCD Screen
Monitoring Timer	30 seconds
Talk Timer	120 seconds
Ringtone Timer	30 seconds ringing,90 seconds waiting
Power Consumption	<0.5W (standby) and <10W (operating)
Voltage Input to Power Supply	100VAC-240VAC,50/60Hz
Voltage Output from Power Supply	18VDC,1500mA
Operational Temperature Range	-25℃ ~ 65℃

GENERAL NOTES

1. Do not put Indoor Monitor in wet areas.
2. Do not place the Indoor Monitor on an unstable surface, to prevent malfunction or damage caused by falls.
3. Keep Indoor Monitor out of the reach of small children.
4. Please do not use needles and other sharp objects to press the Indoor Monitor buttons.
5. Please don't hit, shake or throw. Handle with care.
6. Do not install near any electrical devices, dimmers, ballasts or high voltage wiring.

CLEANING AND MAINTENANCE

1. Indoor Monitor is not water-proof and do not use it in high humidity places, like bathrooms.
2. If the screen is dirty, use a soft, dry cloth to gently wipe the screen.

WARNING

Please use the dedicated power supply provided in this kit by Rongtai. Use of any other power supply will void the warranty and may cause system damage.

IMPORTANT NOTE

A. The End-of-Line Resistor Jumper

The end-of-line resistor jumper is used to adjust the video on monitor, which is located on the back side of the monitor, accessible through the opening in the plastic housing. If you installation has only a single monitor, the end-of-line resistor jumper must remain on the monitor. If your installation has mul-tiple monitors, the end-of-line resistor jumper must remain in place on the monitor which is farthest from the outdoor station and must be removed from the other monitors.
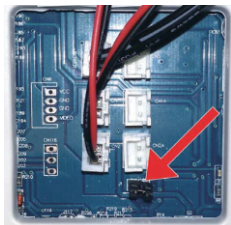
B. Secondary Door Bell（Option）

A secondary door bell push button can be connected to a monitor to the terminal located on the back of the monitor marked CN5. This can be used as a notification that a visitor has reached a second door after being let through the first door. When the push button is depressed the monitor will chime twice.

C. Removing Remote Nameplate

Press down on one side of the plastic nameplate cover and then slide the plastic cover towards that side. The opposite side will pop up allowing you to remove it.

Part 2 Outdoor Station

Microphone
HD CMOS camera
LED Illuminators
Speaker
Name Holder
'CALL' Button
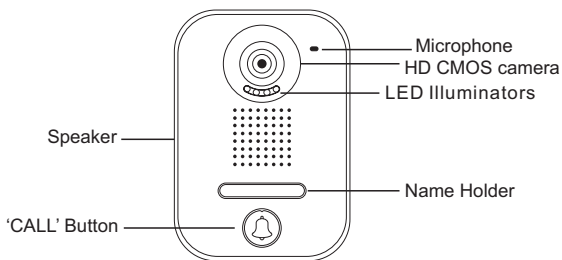
Features:

1. Aluminum alloy panel, vandal resistant
2. Water-resistant
3. Surface-mounted
4. Calling/Talking functions
5. Powered by indoor monitor
6. Backlit call button and name holder

TECHNICAL SPECIFICATIONS

Camera Type	Color HD CMOS Camera
Camera Viewing Angle	90°
Minimum Illumination	0.1 LUX
Night Light Compensation	4 White LEDs
Power Consumption	<0.1W (standby) , <3W (operating)
Operation Temperature Range	-25℃ ~ 65℃

Part 3 System Description

NOTES:

1. Maximum 3 indoor monitors and 2 outdoor stations.
2. Each indoor monitor need a separate power supply.
3. Each indoor monitor can monitor each of the (up to 2) outdoor stations.
4. Cables of the system: Wire ≥ 0.5mm , from outdoor station
5. To the farthest indoor monitor distance ≤ 70m.

USER OPERATION:

🔔 **Calling**

When the 'CALL' button is pressed,the indoor monitor(s) show the visitor's image from the appropriate outdoor station.Press the 'TALK' 《 button to talk to the visitor.

👁 **Monitoring**

When the 'MONITOR' button is pressed from any of the indoor monitors, you can visually monitor and hear the sounds around the outdoor station(s).The monitoring function will shut off automatically after 30 seconds, or you can shut off by pressing the 'MONITOR' button again.

0━ ⊙━ **Unlocking**

Under the standby mode or while talking, press 'Unlocking' button 1 0━ , it will activate the dry contact; During a call from an outdoor station 'Unlocking' button 2 ⊙━ , it will send 13.8V to the door strike.

🔔 **Ringtone Volume Adjustment（on the monitor）**

Adjust this to set the volume of the ringtone.

◢ **Voice Volume Adjustment（on the monitor）**

Adjust this to set the listening voice volume.

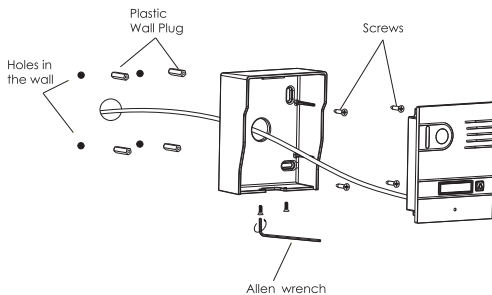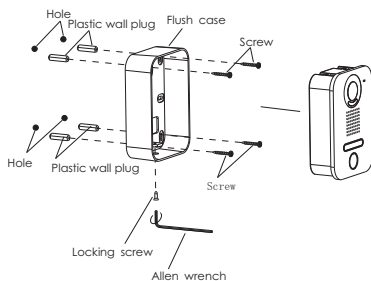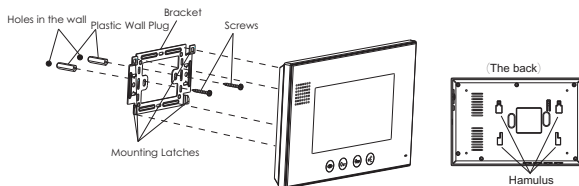### ☼ **Brightness Tone（on the monitor）**

Adjust this control to adjust the picture brightness.

◑ **Chroma/Color（on the monitor）**

Adjust the chroma to get your desired color.

Part 4 System Installation & Connection

Holes in the wall　Plastic Wall Plug　Bracket　Screws

The back

Mounting Latches

Hamulus

Hole　Plastic wall plug　Flush case

Screw

Hole　Plastic wall plug

Screw

Locking screw

Allen wrench

Plastic Wall Plug　　Screws
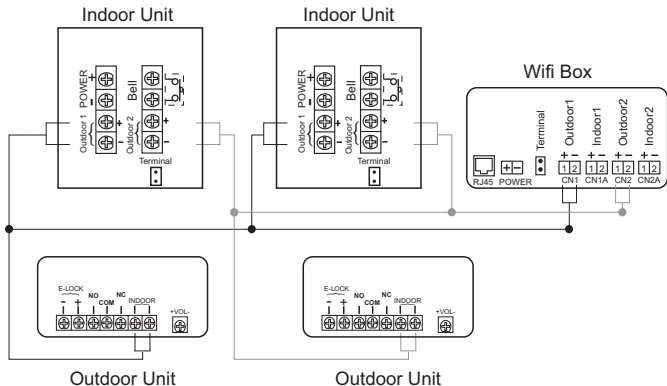
Holes in the wall

Allen wrench

SCREW TERMINAL CONNECTIONS

Diagram 1

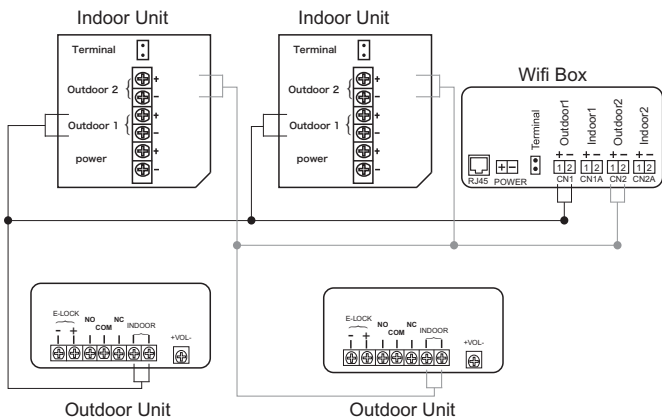## Diagram 2

PLUG-IN HARNESS CONNECTIONS

Diagram 1
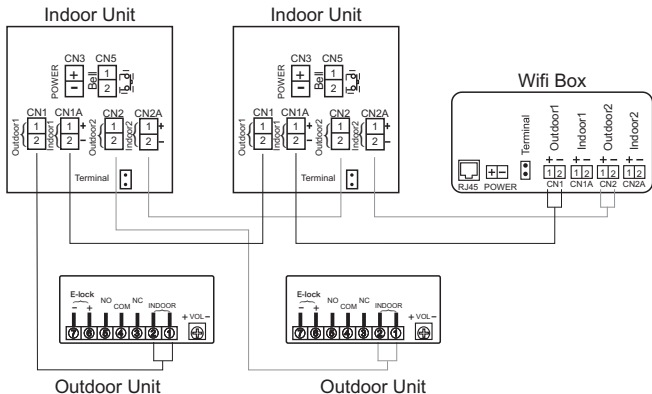
Diagram 2

CONFIGURATION DIAGRAM

Indoor Monitor #1

Indoor Monitor #2

Wifi Box

PSU

PSU

PSU

2C

2C

2C

2C

2C

2C

2C

2C

2C

Power supply for lock

Power supply for lock

Dry Contact

Dry Contact

Door lock

Door lock

Electric Door Release(13.8V)
Terminals 6 & 7
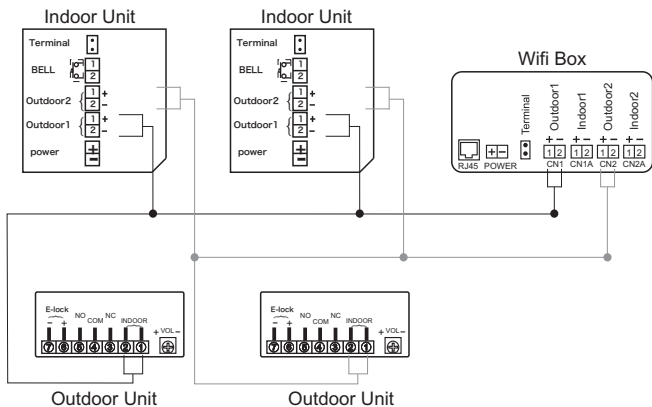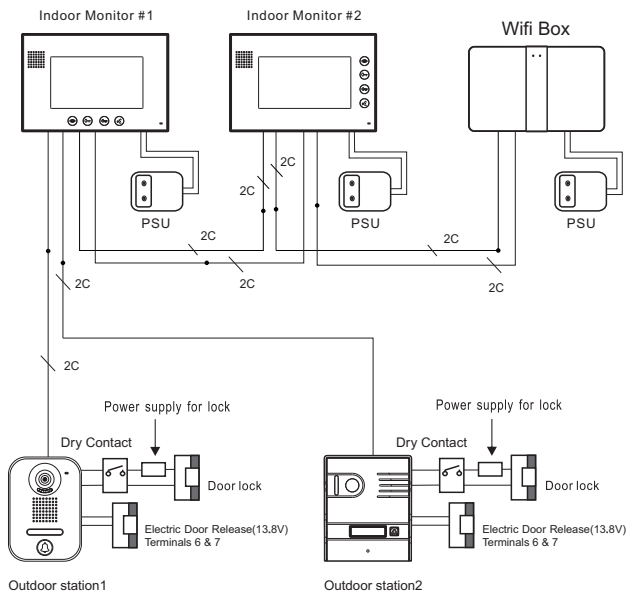
Electric Door Release(13.8V)
Terminals 6 & 7

Outdoor station1

Outdoor station2
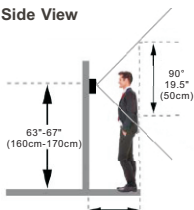
Part 5 Remote Installation Notes

- The proper height of indoor monitor or outdoor station is between 63"-67"(160-170cm) from the ground.This may vary on each installation. View range should be actively tested before complete.

- Viewing window of door camera is about 19.5" (50cm) vertically and 27.5" (70cm) horizontally.

- Narrow space may cause feedback echo on monitor voice function.

- Direct sunshine can cause blurry or ghost - like picture on monitor.

- Installing units too close to electrical lines/dimmers/ballasts/or other electrical devices may cause audio and/or video interference.

Side View

90°
19.5"
(50cm)

63"-67"
(160cm-170cm)

Top View

90°
27.5"
(70cm)

19.5"
(50cm)