

1 Outdoor unit installation

1. Fasten the rain shade on the wall with screws. (1.4-1.6m high from the ground)
2. Connect the wires according to the wiring diagram.
3. Fix into the rain shade and fasten the bottom with screws.

2 Indoor unit installation

1. Fix the bracket on the wall with screws. (1.4-1.6m high from the ground)
2. Connect the wires according to the wiring diagram.
3. Hang on the bracket.
4. Connect to power supply.

3 Wiring Diagram 1

★ DIP Switch on the outdoor unit

- Bit 1: outdoor unit address set, “ ” means outdoor unit 1 and “ ” means outdoor unit 2.
- Bit 2: Main cards set, “ ” means normal mode and “ ” means Add Main Cards mode.

NOTE: When setting bit 2 to Add Main Cards mode, error may happen when calling and answering the call.

4 Wiring Diagram 2

• Connection with Twisted 2-Core Cable

- A** Cable between the outdoor unit and indoor unit:
 - 0~30m: RVV2 × 0.5mm²
 - 30~70m: RVV2 × 0.75mm²
 - 70~100m: RVV2 × 1.0mm²
- B** Cable between indoor units:
 - 0~30m: RVV2 × 0.5mm²
 - 30~40m: RVV2 × 0.75mm²
- C** Cable for locks:
 - 0~10m: RVV2 × 1.0mm²

NOTE: The cable with pure copper conductor must be used. Alloy or other materials will affect the usage.

• Connection with 2-Core Cable

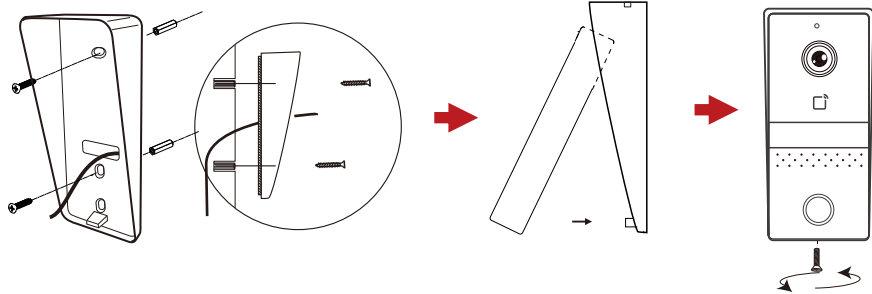
- A** Cable between the outdoor unit and indoor unit:
 - 0~15m: RVV2 × 0.5mm²
 - 30~50m: RVV2 × 0.75mm²
 - 50~100m: RVV2 × 1.0mm² (ONLY suitable for Wiring Diagram 1)
- B** Cable between indoor units:
 - 0~20m: RVV2 × 0.5mm²
 - 20~30m: RVV2 × 0.75mm²
- C** Cable for locks:
 - 0~10m: RVV2 × 1.0mm²

NOTICES

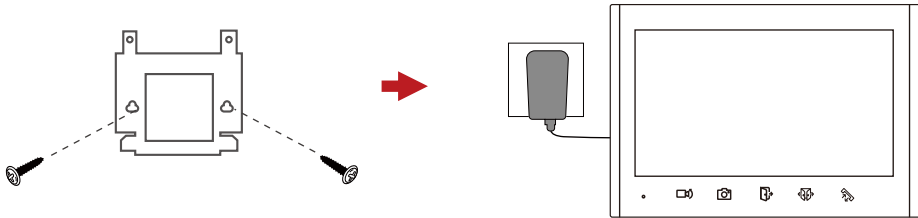
- Turn off the power before wiring.
- After installation, if the product doesn't work, check if wires are connected properly and securely.
- Use a slightly damp soft cloth to clean the camera or screen.
- The outdoor unit must not be directly exposed to sunlight.
- If it is unable to unlock, check if wires are connected properly and securely. Also, make sure the voltage for unlocking is sufficient.
- The image quality may be interfered by strong electromagnetic signals, therefore, when using the product, avoid the electromagnetic sources such as motor and transformer and make sure the circumstance is barrier-free and no interference.



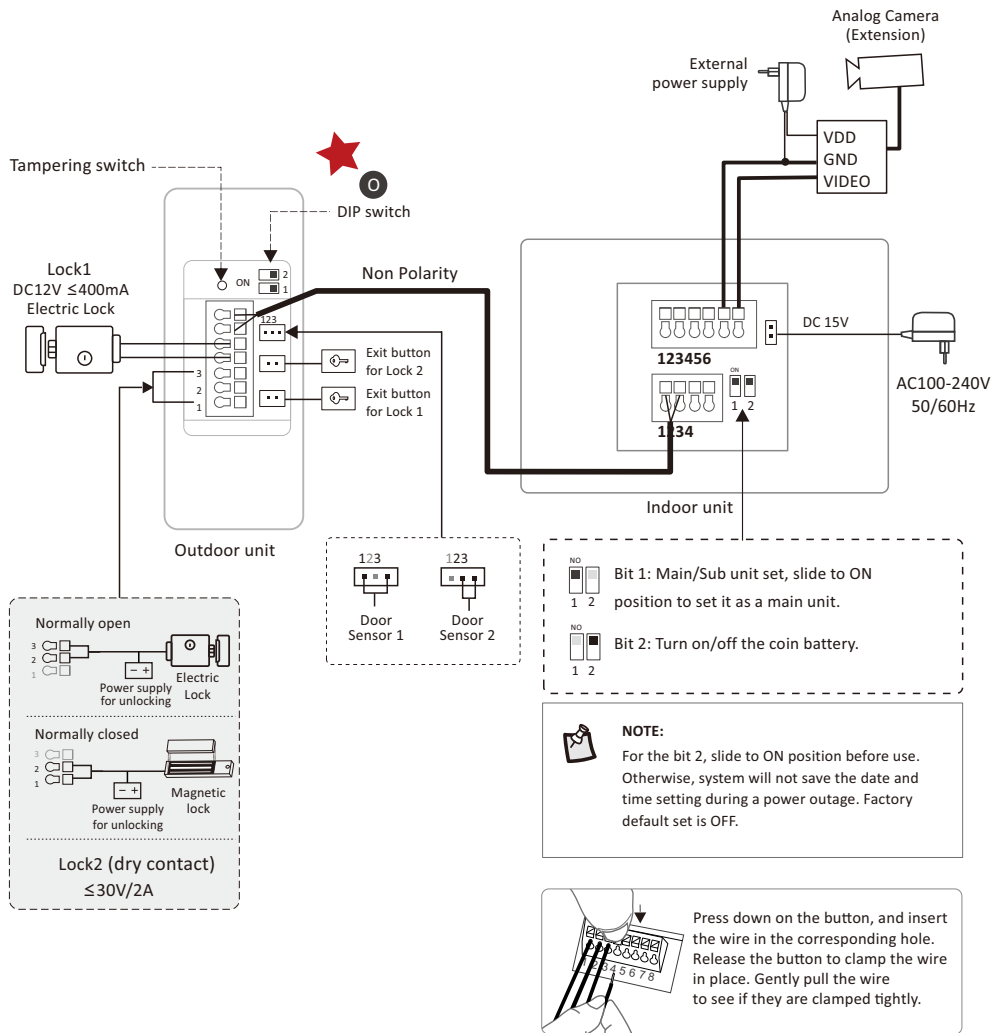
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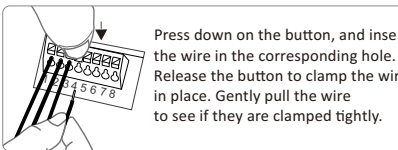
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3

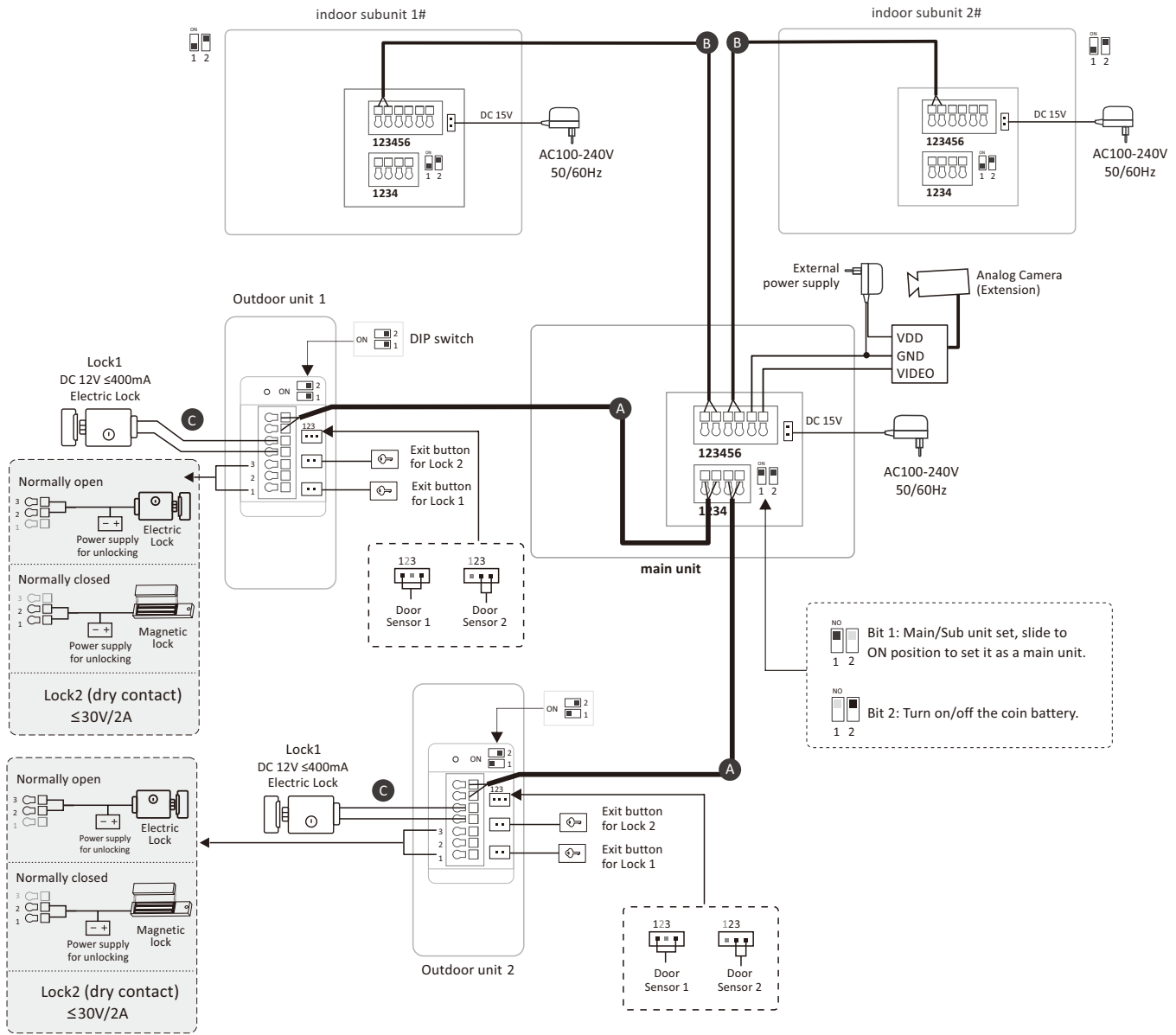


NOTE:
For the bit 2, slide to ON position before use.
Otherwise, system will not save the date and time setting during a power outage. Factory default set is OFF.



NOTE: To make system work, the outdoor unit must be connected to the main indoor unit.

4

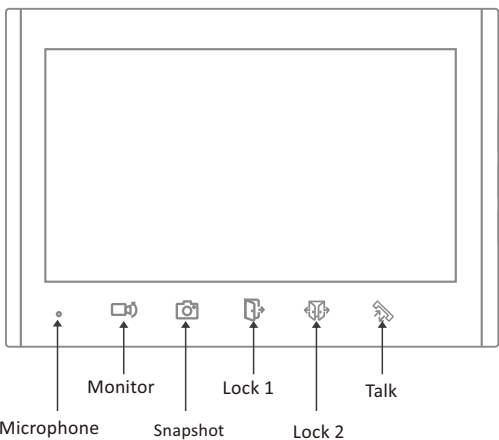


Bit 1: Main/Sub unit set, slide to ON position to set it as a main unit.
Bit 2: Turn on/off the coin battery.

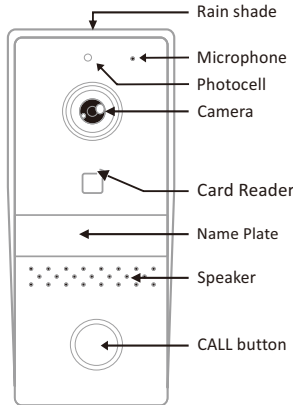
OVERVIEW

This 2-wire video intercom kit supports maximum system capacity of 2 outdoor units, 3 indoor units and 1 surveillance camera. It has rich features including intercom, monitoring, unlocking, mute, alarm and so on.

Indoor unit



Outdoor unit



Indoor Unit Functions

Intercom

When the visitor presses **CALL Button** on the outdoor unit, the indoor unit will ring and display the visitor's image on the screen. Press **TALK “****”** button on the indoor unit to talk with the visitor. The talking time is 60s. During the 60s, you can:

- Press LOCK 1 “**”** button to release the lock 1,
- Press LOCK 2 “**”** button to release the lock 2,
- Press TALK “**”** button to hang up.



NOTE:
During the talking, press “△ ▽” to adjust the talking volume if necessary.
When unlocking, system will automatically end the conversation after 5 seconds.

Monitor

You can monitor the outdoor units and camera according to the order “outdoor unit 1 >> outdoor unit 2 >> surveillance camera”. Press () button once to switch between the image from these units. The monitoring time is 30s, press TALK button to talk with the visitor if necessary.



NOTE:
During the monitoring, press () button to intercom if necessary.

Intercom call between indoor units

To start an intercom between the indoor units, long press () button for 3 seconds, the screen will display the "calling" page and sound "Di-Di-Di" tone at the same time. On the other hand, the other indoor units will display the "incoming call" page. Press the TALK button on one of these indoor units to answer the call, and then the other indoor units will turn off the screen and enter to Busy mode. The talk time in this case is 60s.

Unlock

In calling, monitoring or talking status, press lock 1 or lock 2 button to display the unlock icon.

Mute function

In standby mode, long press lock 2 button() for 3 seconds, a long “Di” tone will indicate that it has entered to mute mode. Long press the button for 3 seconds again, two long “Di” tones will indicate that it has exited the mode. It will automatically exit the mode after 12 hours.

Door sensor activated alarm

If the door is open for 30 seconds, it will trigger the indoor unit to alarm and the indoor unit will display which door triggered the alarm.

Tampering alarm

If the outdoor unit is powered and if it is removed from the rain shade, it will trigger the tampering alarm.

When sounding a door sensor activated alarm or tampering alarm, pressing any button can stop the alarm.

Abnormal wiring alarm



After installation and if the indoor unit gives a long alarm sound and displays “” icon, it means wrong wiring or incorrect main indoor unit set through the DIP switch which results in short-circuit alarm. Please immediately power off the unit to handle the case.

Snapshot

It will take one snapshot when the outdoor unit calls and it will take another when the indoor unit answers the call. During calling, monitoring or talking status, pressing the snapshot button can continuously take 2 snapshots. Up to 200 snapshots can be saved. Once the maximum is reached, the oldest ones will be replaced by the new ones.

Snapshot Management

View Snapshots

In standby mode, press Up (△) or Down (▽) button to view the snapshots, press Talk button to exit.

Delete Snapshots

- Delete all snapshots:

Press Menu () button on the right side to pop up the menu, then select "Delete All", and then press Up or Down button to confirm the deletion.

- Delete a single snapshot:

When viewing the snapshots, press Menu () button on the right side to pop up the menu, then press again Menu () button to confirm the deletion or press Up or Down button to switch between the options of Confirm and Cancel.

Settings



Ring: 16 melodies.



Ring Volume: 1-10 levels.



Talk Volume: 1-10 levels.



Brightness: 1-10 levels.



Chroma: 1-10 levels.



Language : Multilingual



Unlock Time1: 0~7S



Unlock Time2: 0~7S



Date



Time



Alarm Log



Exit

In standby or talking status, press menu () button to perform the followings:

Press menu () button to move down through the options, select the option and then press UP or DOWN button to adjust the value.

Alarm log				
01. Vandal Resistant	1	09 : 07	30/07/2024	
02. Vandal Resistant	2	09 : 06	30/07/2024	
03. Vandal Resistant	1	09 : 05	30/07/2024	
04. Vandal Resistant	2	09 : 04	30/07/2024	
05. Contact Sensor	1-1	09 : 03	30/07/2024	
↑ No.	↑ Type	↑ Address	↑ Time	↑ Date
There are 2 types:				
• Vandal Resistant				
• Contact Sensor				



NOTE:

- The monitoring action can only be performed under standby mode.
- Calling from outdoor units takes the higher priority over monitoring and intercom call between indoor units. If there are 2 outdoor units and if there is a call from outdoor unit #1 and the call is answered, then the outdoor unit #2 will enter to busy mode and will return to normal mode after the outdoor unit #1 ends the communication.

Specifications

Indoor Unit

Adapter	Input: AC100-240V 50/60Hz Output: DC15V 1.2A
Power Consumption	Main indoor unit (connecting outdoor unit) Static State < 6W; Working State(Max) < 13W Sub indoor unit Static State < 3W; Working State(Max) < 10W
Screen Size	7”
Screen Resolution	1024*600(RGB)
Ringtone	75~85dB (30cm)
Talking Volume	≥80dB (30cm)
Storage of Snapshot Qty	≤200 (overwrite once exceeded)
Photo parameters	JPG
Outline Size	184(W)*123(H)*20(D)mm
Operating Temperature	-10℃ ~ 50℃
Relative Humidity	10%~90%(RH)

Outdoor unit

Camera Resolution	800 TVL
Viewing Angle	Horizontal ≤110° Vertical ≤65°
Card Type	IC card
Card Capacity	50 PCS
Talking Volume	70~80dB (30cm)
IP Rating	IP55
Operating Temperature	-30℃ ~ 60℃
Night vision LED	940 nm Infrared
Outline Size	63(W) x 151(H) x 41(D) mm

NOTICE:

This manual is for the purpose of product use and operation. Design and specifications are subject to change without notice.

Legal Information

About this Document

It will take one snapshot when the outdoor unit calls and it will take another when the indoor unit answers the call. During calling, monitoring or talking status, pressing the snapshot button can continuously take 2 snapshots. Up to 200 snapshots can be saved. Once the maximum is reached, the oldest ones will be replaced by the new ones.

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Outdoor Unit Functions and Settings

Add main cards:

Slide bit 2 of the DIP switch to “ ” to enter Add Main Cards mode (it will give “Di-Di” prompt tone). Now, swipe two cards, of which the first one is the Add card and the second one the Delete card. Then, slide the bit 2 to “ ” to exit the mode.

Add and delete user cards

- Add user cards: Swipe the Add card (a “Di” tone will indicate that it has entered to Add User Cards mode). Now, swipe cards that you want to add (Up to 50 cards can be added. Once exceeded and if you attempt to add more, the old ones will be invalid to let you add the new ones). After swiping the cards, swipe the Add card again to exit (it will give a long “Di” tone).
- Delete user cards: Swipe the Delete card (a “Di” tone will indicate that it has entered to Delete User Cards mode). Now, swipe cards that you want to delete. After swiping the cards, swipe the Delete card again to exit (it will give a long “Di” tone).
- Delete all user cards: Swipe the Delete card (a “Di” tone will indicate that it has entered to Delete User Cards mode). Then swipe the Add card, and then swipe again the Delete card to complete (it will give a long “Di” tone).

Door sensor activated alarm

If the door is open for 30s, it will activate an alarm from the indoor unit. On the indoor unit, it will display which door is open.

Features

- Two-wire connection.
- Support up to 2 outdoor units + 3 indoor units + 1 surveillance camera.
- Intercom call between indoor units.
- Support 2 locks, and they can be released via IC cards, EXIT button or unlocking button on the indoor unit.
- Tampering detection and door sensor activated alarm.
- Up to 200 snapshots.
- Mute function.
- Multilingual.
- Short circuit protection.