

# OPERATION INSTRUCTION

4-Wire Villa Video Intercom System  
Indoor Monitor  
User Manual

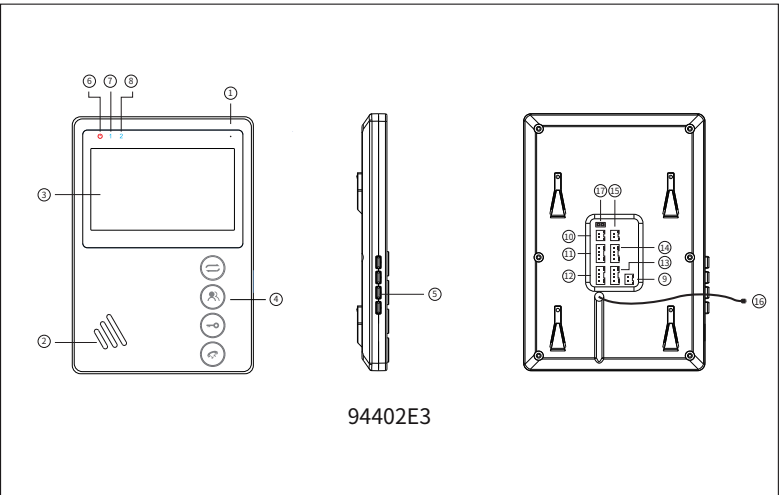
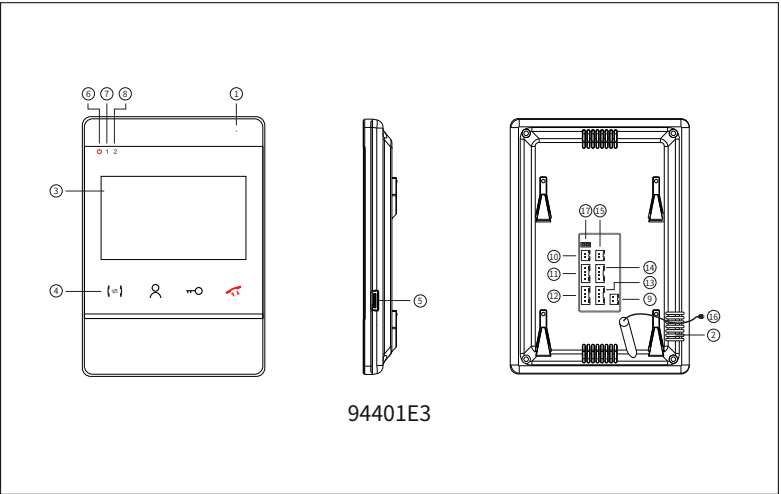
Due to the regular upgrades of systems and products, could not guarantee exact consistency between the actual product and the written information in this manual.

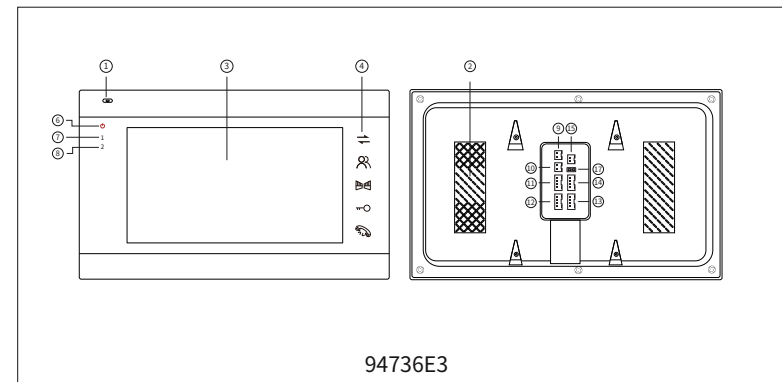
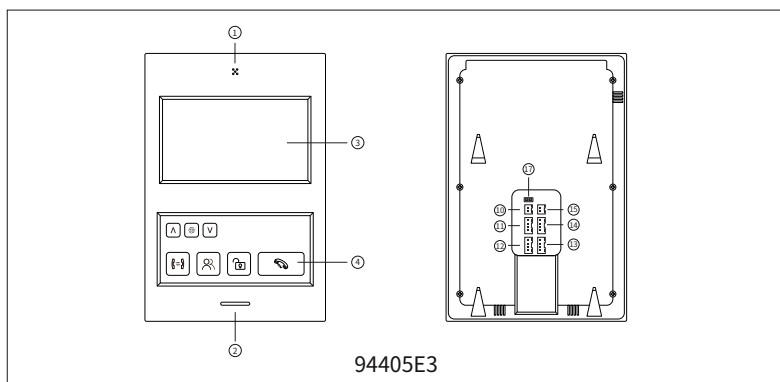
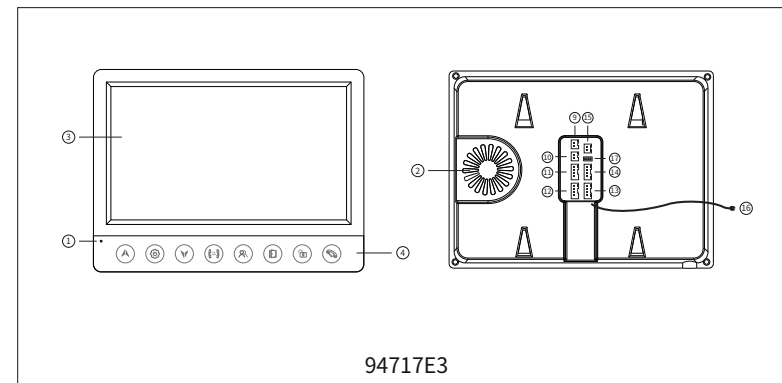
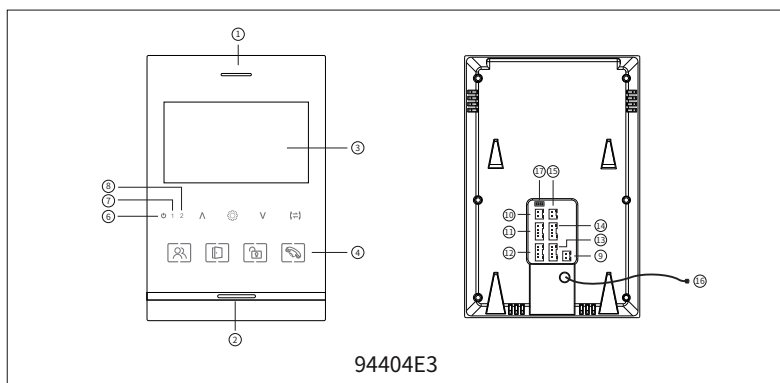
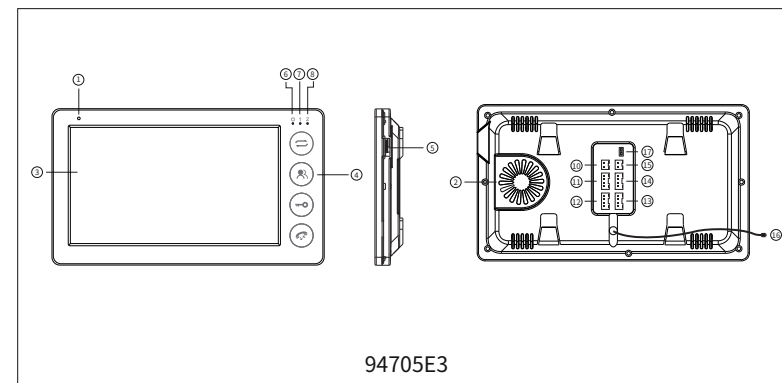
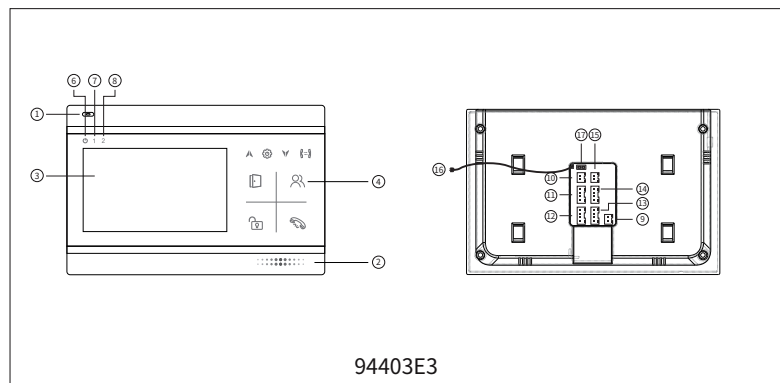
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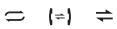
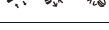
## 1 Description

### 1.1 Product Overview





| NO. | Description                                                                 | NO. | Description                        |
|-----|-----------------------------------------------------------------------------|-----|------------------------------------|
| ①   | Microphone                                                                  | ⑨   | Gate relay output                  |
| ②   | Speaker                                                                     | ⑩   | Video output                       |
| ③   | Display screen                                                              | ⑪   | Door 1 input                       |
| ④   | Function button                                                             | ⑫   | Door 2 input                       |
| ⑤   | Operation button                                                            | ⑬   | Output(Connect to the next indoor) |
| ⑥   | Power indicator                                                             | ⑭   | Input(Connect to the last indoor)  |
| ⑦   | Door1 indicator                                                             | ⑮   | DC 12V input                       |
| ⑧   | Door2 indicator                                                             | ⑯   | AC power plug (100-240V)           |
| ⑰   | Jumper (Connect it to turn on the call button backlight of outdoor station) |     |                                    |

| Icon                                                                                | Description               |
|-------------------------------------------------------------------------------------|---------------------------|
|    | Intercom / Transfer       |
|    | Monitor                   |
|    | Door unlock               |
|  | Gate unlock               |
|  | Answer / Hang up / Return |
|  | Increase / Up             |
|  | Menu setting / Confirm    |
|  | Reduce / Down             |

## 1.2 Product Feature

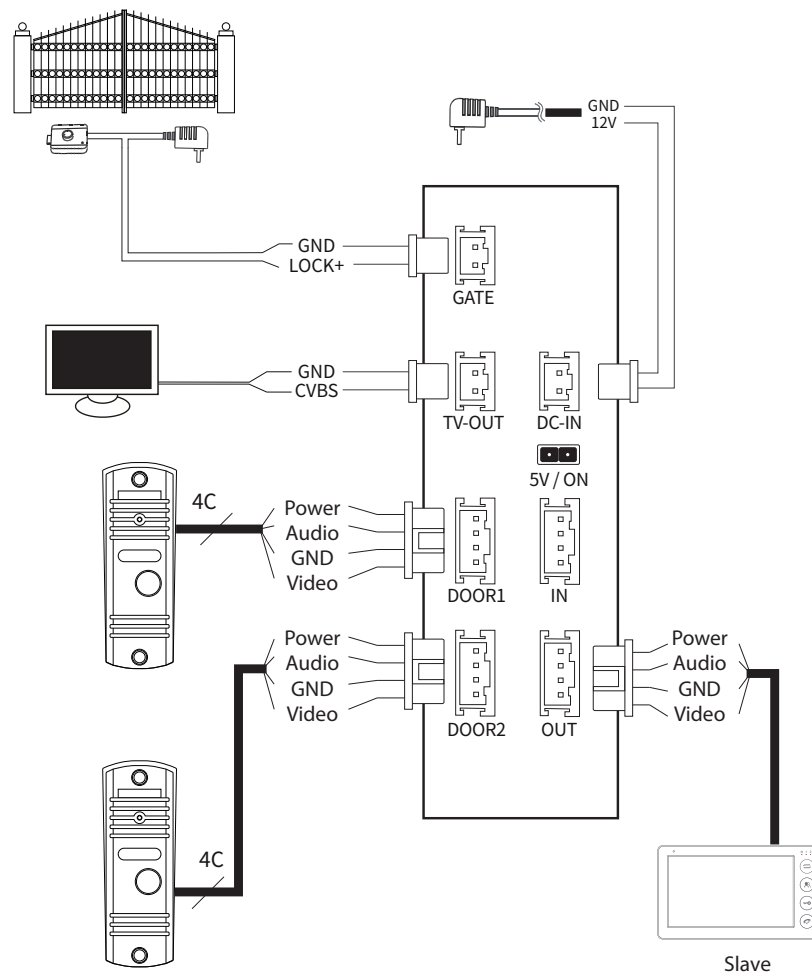
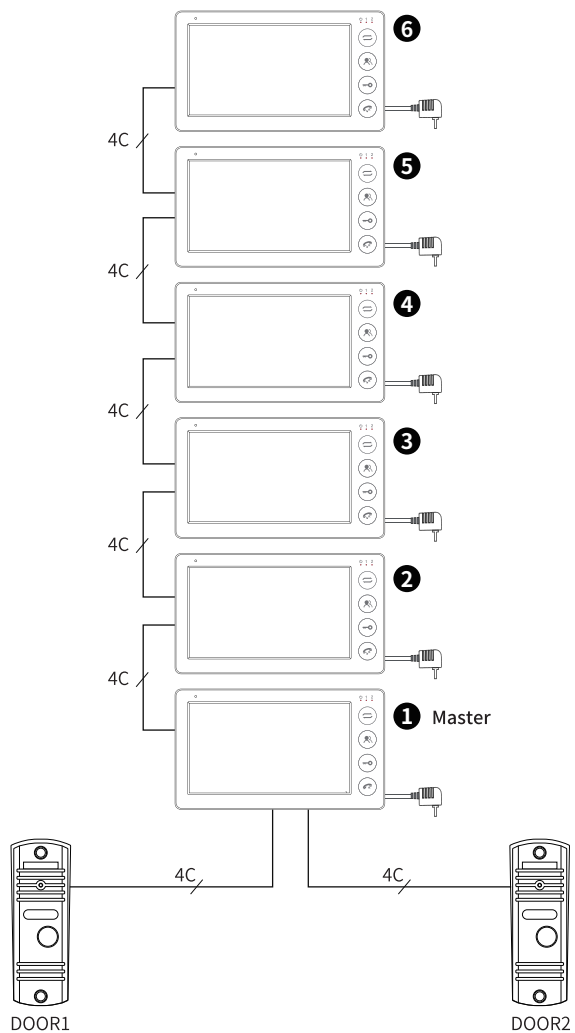
- Video intercom
- Monitoring
- External lock
- Video output
- Internal call / Transfer call
- Do not disturb mode
- Support 6 indoor monitors
- Support 2 outdoor stations
- Convenient installation and easy operation

## 1.3 Technical Parameter

|                     |                                          |
|---------------------|------------------------------------------|
| Display Screen      | 4.3-inch TFT / 7-inch TFT                |
| Resolution          | 480*272 / 800*480                        |
| Standard            | PAL / NTSC                               |
| Communication Mode  | Half-duplex                              |
| Talking Time        | 120S                                     |
| Standby Current     | < 250mA                                  |
| Working Current     | < 400mA                                  |
| Power Supply        | External switching power supply : DC 12V |
|                     | Built-in power supply (Optional)         |
| Working Temperature | -10°C to 50°C                            |
| Installation        | Surface mounting                         |

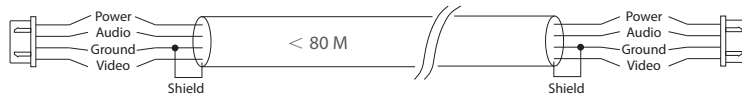
## 2 Wiring Diagram and Installation

### 2.1 System Diagram



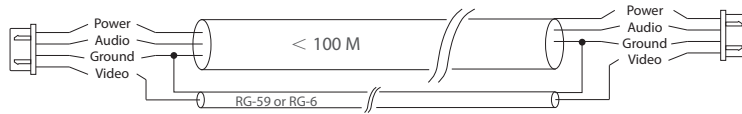
## 2.2 Wire Specification

- Distance < 25M (0.25mm<sup>2</sup>)
- Distance < 50M (0.5mm<sup>2</sup>)
- Distance < 80M (0.75mm<sup>2</sup>)

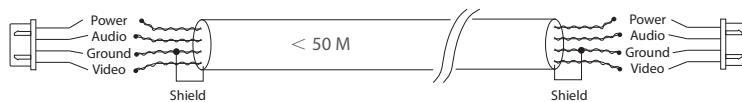


- Distance < 100M (1.0mm<sup>2</sup>)

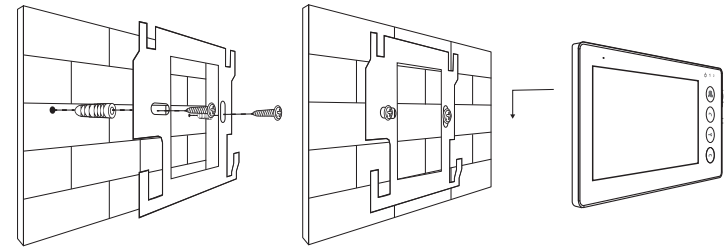
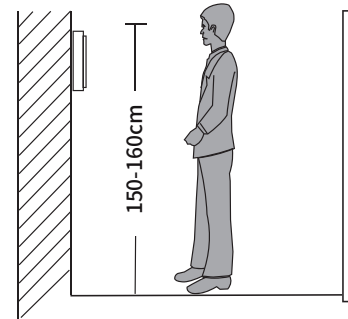
Please note that use RG-59 or RG-6 coaxial cable for the video signal.



- Distance < 50M (STP or UTP cable, not recommended)



## 2.3 Installation



### Note:

- Please be far from the devices with intense radiation: TV, DVR, etc.
- Do not disassemble privately to avoid the electric shock.
- Do not drop, shake or knock the device, otherwise will damage the elements.
- Choose the best position to install, the horizontal view is 150cm.
- Please power down before installation.
- Keep at a distance of more than 30cm with AC power to avoid interference.
- Away from the water, magnetic field and chemicals.

## 3 Operation and Setting

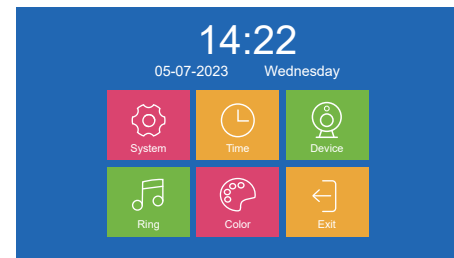
### 3.1 Operation

| Video Intercom                                                      | Monitor                                                    |
|---------------------------------------------------------------------|------------------------------------------------------------|
| ◆ Press the CALL button on the outdoor station                      | ◆ Standby mode                                             |
| ◆ The indoor monitor will ring and display the image of the visitor | ◆ Press the MONITOR button on the indoor monitor           |
| ◆ Press the TALKING button to start the conversation                | ◆ The indoor monitor will display the image from the door1 |
| ◆ Press the UNLOCK button to release the door                       | ◆ Press the MONITOR button again to monitor the door2      |
| ◆ Press the TALKING button again to end the conversation            | ◆ Press the TALKING button to start the conversation       |
| ◆ Standby mode                                                      | ◆ Press the TALKING button again to end the conversation   |
|                                                                     | ◆ Standby mode                                             |

#### Internal Call

|                                                      |                                |                                    |
|------------------------------------------------------|--------------------------------|------------------------------------|
| ◆ Press the INTERNAL CALL button in the standby mode | ◆ The slave monitors will ring | ◆ Press the TALKING button to talk |
|------------------------------------------------------|--------------------------------|------------------------------------|

In the standby mode, press  to enter the setting interface.



### 3.2 System Setting

|                |              |         |    |
|----------------|--------------|---------|----|
| Language       | <<           | English | >> |
| ID             | <<           | 01      | >> |
| DND Start Time | <<           | 23:30   | >> |
| DND End Time   | <<           | 05:30   | >> |
| Standby Mode   | <<           | Clock   | >> |
| Version        | 202300725V01 |         |    |

- **Language:** English / Russian (4.3-inch supports only one language)
- **ID :** 01-06 (The master monitor must be set to 01)
- **DND(Do Not Disturb):** Set the start and end time, the indoor monitor is mute during this period.
- **Standby Mode :** Display clock can be set while in standby mode

### 3.3 Time Setting

|             |    |          |    |
|-------------|----|----------|----|
| Year        | << | 2023     | >> |
| Month       | << | 06       | >> |
| Day         | << | 16       | >> |
| Hour        | << | 14       | >> |
| Minute      | << | 39       | >> |
| Date Format | << | YY-MM-DD | >> |

- **Date Format:** YY-MM-DD / DD-MM-YY / MM-DD-YY

### 3.4 Device Setting

|               |    |     |    |
|---------------|----|-----|----|
| Door1 Unlock  | << | 02S | >> |
| Door1 Monitor | << | 02S | >> |
| Door2 Unlock  | << | 60S | >> |
| Door2 Monitor | << | 60S | >> |

- **Unlock Delay Time:** 1-10S (Default is 2S)
- **Monitor Time:** 60S / 120S / ON (ON means monitor all the time)

### 3.5 Ringtone Setting

|              |    |    |    |
|--------------|----|----|----|
| CN1 Ringtone | << | 01 | >> |
| CN1 Volume   | << | 01 | >> |
| CN2 Ringtone | << | 05 | >> |
| CN2 Volume   | << | 05 | >> |

- **Ringtone:** 16
- **Volume:** 00-10 (00 means mute)

Note: Setting for channel 1&2.

### 3.6 Color Setting

|            |    |    |    |
|------------|----|----|----|
| Brightness | << | 25 | >> |
| Contrast   | << | 25 | >> |
| Saturation | << | 25 | >> |